

Result No.	Score	Query		Length	DB	ID	Description
		Match	%				
1	28	100.0		28	21	AAAL5743	Forward PCR primer
2	21.6	77.1		1213	24	ABL999852	Human secretory po
3	21.6	77.1		1340	24	ABL999852	Human secretory po
4	21.6	77.1		4827	25	ABT171105	Androgen-independe
5	20.6	73.6		211	23	AAST58690	CDNA #3365 encodin
6	20.6	73.6		476	12	AAQ11838	TRP chain 2, lon
7	20.6	73.6		476	21	AAC60103	cell reactive fe
8	20.6	73.6		476	21	AAAL12244	Feline human TRP

9	20.6	73.6	476	21	AA07437	Cat TRFP chain 2 1
10	20.6	73.6	476	21	AA288617	Human TRFP chain 2
11	20.6	73.6	485	14	AA041558	TRFP chain 2 (with
12	20.6	73.6	485	14	AA049535	Human T cell react
13	20.6	73.6	485	14	AAK57598	Human immune/haema
14	20.6	73.6	714	22	AAK57598	Human immune/haema
15	20.6	73.6	715	22	AAK70896	Human immune/haema
16	20.6	73.6	715	22	AAK70897	Human immune/haema
17	20.6	73.6	1790	22	AAF33217	Human secreted pro
18	20.6	73.6	1790	25	AB273524	Secreted protein-e
19	20.6	73.6	1945	21	AAK98030	Human colon cancer
20	20.6	73.6	2093	21	AAK77484	Human OREF ORF3039
21	20.6	70.0	349980	22	AAH41226	Pyrococcus abyssi
22	19.2	68.6	705	23	AA554078	Pseudomonas aerugi
23	19.2	68.6	4403765	22	AAI199683	Mycobacterium tubu
24	19.2	68.6	4411529	22	AAI199682	Mycobacterium tubu
25	19	67.9	191	21	AAK04984	Human secreted pro
26	19	67.9	721	20	AAZ16112	Human gene express
27	19	67.9	4403765	22	AAI199683	Mycobacterium tubu
28	18.8	67.1	201	23	ABV08361	Mycobacterium tubu
29	18.8	67.1	419	21	AAK01056	Human prostate exp
30	18.8	67.1	626	23	ABV38268	Human secreted pro
31	18.6	66.4	632	21	AAF08272	Human prostate exp
32	18.6	66.4	1664	24	AAK33562	Fusarium venenatum
33	18.6	66.4	1910	24	AAI43359	cDNA encoding huma
34	18.4	65.7	378	24	ABN71103	Rat alpha-1.3-fuco
35	18.4	65.7	692	21	AAF15199	Human ORF2050 cDNA
36	18.4	65.7	1271	23	AA585363	Trichoderma reesei
37	18.4	65.7	2040	23	AA572771	DNA encoding novel
38	18.4	65.7	2649	23	AA585354	DNA encoding novel
39	18.4	65.7	2967	23	ABJ04125	Drosophila melanog
40	18.4	65.7	5394	23	ABL04124	Drosophila melanog
41	18.4	65.7	111282	24	AB555190	Genomic DNA encodi
42	18.4	65.7	111282	24	AAU44361	Human phosphodiester
43	18.2	65.0	244	22	AAK53331	Murine replication
44	18.2	65.0	381	24	ABN22294	Human OREF polynuc
45	18.2	65.0	783	23	ABK43723	DNA encoding novel

RESULT 1
AAA15743
ID AAA15743 standard: DNA: 28 BP.

15-AUG-2000 (first entry)

Forward PCR primer used to clone chain 2 of Fel d1 into pCR2.1.

PCR primer; cat allergen; Fel d1; recombinant Fel d1 antigen; diagnosis;
 KW protect: allergv; H22; anti-CD64 antibody; chain 2; ss.

SO
Felis sp.

AA WO200020032-A1.

XX
PD 13-APR-2000-XX
PF 05-OCT-1999. 99W0-11S23251

XX
DP 06-007-1999. 99115-0103384

XX
/DATE / DAY MONTH YEAR/

PA (MEDA-) MEDAREX INC.

PI Guyre PM, Goldstein JJ, Wu Z, Sun W;

DR WPI; 2000-303643/26.

Baculovirus composition for diagnosis of and protection against a cat

```

PT allergy in humans comprises recombinant Fel dI -
XX
XX Example 1; Page 4; 15pp; English.
XX
CC This sequence represents a PCR primer used to clone the cat allergen Fel
CC dI chain 2 nucleotide sequence into plasmid pCR2.1. Fel dI is the major
CC allergen from cats, and consists of two polypeptide chains, chain 1 and
CC chain 2 which are normally linked by a disulfide bond. The PCR product is
CC used in the generation of a recombinant Fel dI antigen in which the two
CC chains are expressed in series, linked together by a glycine/serine
CC linker, and targeted to CD64 through linkage to the sfv of monoclonal
CC antibody (Mab) H22. Mab H22 is a humanised anti-CD64 antibody. The
CC inclusion of the H22 sfv targets the fusion protein to monocytes and
CC dendritic cells. The invention relates to the expression of the
CC recombinant Fel dI cat allergen, and its use in a method for diagnosing
CC a human with cat allergy. The administration of a composition comprising
CC the baculovirus expressed recombinant Fel dI allergen can be used to
CC protect against cat allergy in a human. Expressing recombinant Fel dI in
CC a baculovirus improves its immunoreactivity for immunoglobulins E and G.
XX
SQ Sequence 28 BP; 7 A; 5 C; 12 G; 4 T; 0 other;
Query Match 100.0%; Score 28; DB 21; Length 28;
Best Local Similarity 100.0%; Pred. NO. 0.036;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGCTGCAGGTCAGATCGCGGAACT 28
DB 1 GGGGCTGCAGGTCAGATCGCGGAACT 28

RESULT 2
ABL99852
ID ABL99852 standard; cDNA; 1213 BP.
XX
AC ABL99852;
XX
DT 03-OCT-2002 (first entry)
XX
DE Human secretory polynucleotide (sptm) 107.
XX
KW Human; ss; gene; secretory protein; secretory polynucleotides; SPTM;
KW SPTM-related disease; somatic gene therapy; germline gene therapy;
KW severe combined immunodeficiency; intracellular parasite protection;
KW fungal parasite; protozoan parasite; cell proliferative disorder; cancer;
KW immune disorder; AIDS; neurological disorder; Parkinson's disease;
KW motor neuron disorder; demyelinating disease; multiple sclerosis;
KW meningitis; abscess; prion diseases; cerebral palsy;
KW dermatomyositis; polymyositis; myopathy; myasthenia gravis;
KW mental disorder; Tourette's syndrome.
XX
OS Homo sapiens.
XX
XX WO200220756-A2.
XX
XX 14-MAR-2002.
XX
XX 30-AUG-2001; 2001WO-US27297.
XX
XX 05-SEP-2000; 2000US-229747P.
XX 05-SEP-2000; 2000US-229748P.
XX 05-SEP-2000; 2000US-229749P.
XX 05-SEP-2000; 2000US-229750P.
XX 05-SEP-2000; 2000US-229751P.
XX 05-SEP-2000; 2000US-230016P.
XX 05-SEP-2000; 2000US-230583P.
XX 06-SEP-2000; 2000US-230505P.
XX 06-SEP-2000; 2000US-230514P.
XX 06-SEP-2000; 2000US-230515P.
XX 06-SEP-2000; 2000US-230517P.
XX 06-SEP-2000; 2000US-230518P.
XX 06-SEP-2000; 2000US-230519P.

PR 06-SEP-2000; 2000US-230595P.
PR 06-SEP-2000; 2000US-230596P.
PR 06-SEP-2000; 2000US-230597P.
PR 06-SEP-2000; 2000US-230599P.
PR 06-SEP-2000; 2000US-230610P.
PR 06-SEP-2000; 2000US-230864P.
PR 06-SEP-2000; 2000US-230865P.
PR 06-SEP-2000; 2000US-230988P.
PR 06-SEP-2000; 2000US-230989P.
PR 06-SEP-2000; 2000US-230990P.
PR 07-SEP-2000; 2000US-230896P.
PR 07-SEP-2000; 2000US-230897P.
PR 07-SEP-2000; 2000US-230951P.
PR 07-SEP-2000; 2000US-231163P.
PR 07-SEP-2000; 2000US-231832P.
XX
XX (INCY-) INCVTE GENOMICS INC.
XX
PI Stuart J, Lincoln SE, Altus CM, Dufour GE, Chalup MS, Hillman JL;
PI Jones AL, Yu JY, Wright RJ, Gietzen D, Liu TF, Yap PE, Dahl CR;
PI Momiya MG, Bradley DL, Rohatgi SD, Harris B, Roseberry AM;
PI Gerstein EH, Peralta CH, David MH, Panzer SR, Flores V, Daffo A;
PI Marwaha R, Chen AJ, Chang SC, Au AP, Inman RR;
XX
XX WPI; 2002-315658/35.
XX P-PSDB; ABB97855.
XX
XX Polynucleotide sequences encoding human secretory proteins useful for
XX gene therapy of e.g. genetic deficiency disorders, cancers, and
XX diseases caused by intracellular parasites -
XX
XX Claim 1; Page 314; 585pp; English.
XX
CC The invention comprises the amino acid and coding sequences of human
CC secretory (SPTM) proteins. The SPTM DNA and amino acid sequences are
CC useful for treating a disease or condition associated with the expression
CC of functional SPTM. The SPTM DNA sequences are useful for somatic or
CC germline gene therapy to correct a genetic deficiency (e.g. severe
CC combined immunodeficiency). The SPTM DNA sequences are also useful in
CC providing protection against intracellular parasites (e.g. fungal
CC parasites and protozoan parasites). The SPTM DNA and protein sequences
CC are also useful for diagnosing cell proliferative disorders, cancer,
CC immune disorders (e.g. AIDS), neurological disorders (e.g. Parkinson's
CC disease), motor neuron disorders, demyelinating diseases (e.g. multiple
CC sclerosis), meningitis, abscesses, prion diseases, cerebral palsy,
CC neuroskeletal disorders, peripheral nervous system disorders,
CC dermatomyositis and polymyositis, myopathy, myasthenia gravis, and mental
CC disorders (e.g. Tourette's syndrome). cDNA sequences ABL99746 - ABL99929
CC represent human secretory polynucleotides of the invention.
XX
XX Sequence 1213 BP; 372 A; 236 C; 262 G; 335 T; 8 other;
SQ
Query Match 77.1%; Score 21.6; DB 24; Length 1213;
Best Local Similarity 85.7%; Pred. NO. 22;
Matches 24; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 GGGGCTGCAGGTCAGATCGCGGAACT 28
DB 519 GGGGCTGCAGGTTAAGATGACGGAAAT 546

RESULT 3
ABL99929
ID ABL99929 standard; cDNA; 1340 BP.
XX
AC ABL99929;
XX
DT 03-OCT-2002 (first entry)
XX
DE Human secretory polynucleotide (sptm) 184.
XX
KW Human; ss; gene; secretory protein; secretory polynucleotides; SPTM;
KW SPTM-related disease; somatic gene therapy; germline gene therapy;

```

severe combined immunodeficiency; intracellular parasite protection;
fungal parasite; protozoan parasite; cell proliferative disorder; cancer;
immune disorder; AIDS; neurological disorder; Parkinson's disease;
motor neuron disorder; demyelinating disease; multiple sclerosis;
meningitis; abscess; prion diseases; cerebral palsy;
neurolethal disorder; peripheral nervous system disorder;
dermatomyositis; polymyositis; myopathy; myasthenia gravis;
mental disorder; Tourette's syndrome.

XX Homo sapiens.

XX WO200220756-A2.

XX 14-MAR-2002.

XX 30-AUG-2001; 2001WO-US27297.

XX 05-SEP-2000; 2000US-229747P.

XX 05-SEP-2000; 2000US-229748P.

XX 05-SEP-2000; 2000US-229749P.

XX 05-SEP-2000; 2000US-229750P.

XX 05-SEP-2000; 2000US-229751P.

XX 05-SEP-2000; 2000US-230016P.

XX 05-SEP-2000; 2000US-230583P.

XX 06-SEP-2000; 2000US-230505P.

XX 06-SEP-2000; 2000US-230514P.

XX 06-SEP-2000; 2000US-230515P.

XX 06-SEP-2000; 2000US-230517P.

XX 06-SEP-2000; 2000US-230518P.

XX 06-SEP-2000; 2000US-230519P.

XX 06-SEP-2000; 2000US-230595P.

XX 06-SEP-2000; 2000US-230596P.

XX 06-SEP-2000; 2000US-230597P.

XX 06-SEP-2000; 2000US-230599P.

XX 06-SEP-2000; 2000US-230610P.

XX 06-SEP-2000; 2000US-230864P.

XX 06-SEP-2000; 2000US-230865P.

XX 06-SEP-2000; 2000US-230988P.

XX 06-SEP-2000; 2000US-230989P.

XX 07-SEP-2000; 2000US-230990P.

XX 07-SEP-2000; 2000US-230896P.

XX 07-SEP-2000; 2000US-230897P.

XX 07-SEP-2000; 2000US-230951P.

XX 07-SEP-2000; 2000US-231163P.

XX 07-SEP-2000; 2000US-231832P.

XX (INCY-) INCYTE GENOMICS INC.

XX Stuart J, Lincoln SE, Altus CM, Dufour GE, Chalup MS, Hillman JL;

XX Jones AL, Yu JY, Wright RJ, Gietzen D, Liu TF, Yap PE, Dahl CR;

XX Momiya MG, Bradley DL, Rohatgi SD, Harris B, Roseberry AM;

XX Gerstin EH, Peralta CH, David MH, Panzer SR, Flores V, Daffo A;

XX Marwaha R, Chen AJ, Chang SC, Au AP, Inman RR;

XX WPI; 2002-315658/35.

XX P-PSDB; ABB97933.

XX Polynucleotide sequences encoding human secretory proteins useful for

XX gene therapy of e.g. genetic deficiency disorders, cancers, and

XX diseases caused by intracellular parasites -

XX Claim 1; Page 364-365; 585pp; English.

XX The invention comprises the amino acid and coding sequences of human

XX secretory (SPTM) proteins. The SPTM DNA and amino acid sequences are

XX useful for treating a disease or condition associated with the expression

XX of functional SPTM. The SPTM DNA sequences are useful for somatic or

XX germline gene therapy to correct a genetic deficiency (e.g. severe

XX combined immunodeficiency). The SPTM DNA sequences are also useful in

XX providing protection against intracellular parasites (e.g. fungal

XX parasites and protozoan parasites). The SPTM DNA and protein sequences

XX are also useful for diagnosing cell proliferative disorders, cancer,

XX immune disorders (e.g. AIDS), neurological disorders (e.g. Parkinson's

CC disease), motor neuron disorders, demyelinating diseases (e.g. multiple

CC sclerosis), meningitis, abscesses, prion diseases, cerebral palsy,

CC neuroskeletal disorders, peripheral nervous system disorders,

CC dermatomyositis and polymyositis, myopathy, myasthenia gravis, and mental

CC disorders (e.g. Tourette's syndrome). cDNA sequences ABL99746 - ABL99929

XX represent human secretory polynucleotides of the invention.

XX Sequence 1340 BP; 418 A; 253 C; 298 G; 371 T; 0 other;

XX Query Match 77.1%; Score 21.6; DB 24; Length 1340;

XX Best Local Similarity 85.7%; Pred. No. 23;

XX Matches 24; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

XX 1 GGGGCTGCAGTCAAGATGGCGGAAACT 28

XX 646 GCGGCTGCAGGTTAAGATGACGCGAAAT 673

XX RESULT 4

XX ABT17105

XX ID ABT17105 standard; DNA; 4827 BP.

XX AC ABT17105;

XX DT 10-APR-2003 (first entry)

XX Androgen-independent prostate cancer-related DNA - SEQ ID NO 47.

XX Gene; ds; androgen-independent cancer; androgen ablation therapy;

XX prostate cancer; androgen-dependent prostate cancer; prostate cancer.

XX Unidentified.

XX WO200298358-A2.

XX 12-DEC-2002.

XX 04-JUN-2002; 2002WO-US17594.

XX 13-NOV-2001; 2001US-295917P.

XX 29-MAR-2002; 2002US-368899P.

XX 12-APR-2002; 2002US-372246P.

XX 31-MAY-2002; 2002US-0160233.

XX (EOSB-) EOS BIOTECHNOLOGY INC.

XX PI Afar DEH, Agus D, Mack DH;

XX WPI; 2003-148602/14.

XX Detecting an androgen-independent prostate cancer cell in a sample or

XX diagnosing androgen-dependent prostate cancer, by determining the

XX presence or absence of genes whose expressions are up- or

XX down-regulated

XX Claim 1; Page 200-201; 210pp; English.

XX The invention comprises a method for detecting an androgen-independent

XX cancer cell in a sample from a patient who has undergone androgen

XX ablation therapy. The method involves determining the presence or absence

XX of nucleic acids that are either up-regulated or down-regulated in

XX prostate cancer. The method is useful for detecting an androgen-

XX independent prostate cancer cell in a sample from a patient who has

XX undergone androgen ablation therapy. The method is particularly useful

XX for diagnosing androgen-dependent prostate cancer, prostate cancer

XX undergoing androgen withdrawal, or androgen-independent prostate cancer.

XX The present DNA sequence represents a nucleic acid of the invention that

XX is either up-regulated or down-regulated in prostate cancer.

XX Sequence 4827 BP; 1302 A; 1116 C; 1056 G; 1353 T; 0 other;

XX Query Match 77.1%; Score 21.6; DB 25; Length 4827;

Best Local Similarity 85.7%; Pred. No. 26;
Matches 24; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 GGGCTGCAGGTCAAGATGCGGAAACT 28
DB 920 GCGCTGCAGGTCAAGATGCGGAAAT 947

RESULT 5
AAS58690
ID AAS58690 standard; cDNA; 211 BP.
XX
AC AAS58690;
XX
DT 13-FEB-2002 (first entry)
XX
DE cDNA #1366 encoding portion of a human colon tumour protein.
XX
KW Human; colon tumour protein; colon cancer; gene therapy; cytostatic; ss.
XX
OS Homo sapiens.
XX
PN WO200173027-A2.
XX
PD 04-OCT-2001.
XX
PF 22-MAR-2001; 2001WO-US09246.
XX
PR 24-MAR-2000; 2000US-191597P.
PR 04-MAY-2000; 2000US-202024P.
PR 05-MAY-2000; 2000US-202189P.
PA (CORI-) CORIXA CORP.
XX
PI Meagher MJ, Xu J, King GE;
XX
DR WPI; 2001-611627/70.
XX
PT New colon tumour proteins and related nucleic acid, useful for
PT treatment, prevention, diagnosis and monitoring of cancer -
XX
PS Claim 4; Page 271; 299pp; English.
XX
CC Th present invention relates to the isolation of novel cDNA sequences
CC encoding for at least an immunogenic portion of human colon tumour
CC proteins. The sequences of the invention are useful in pharmaceutical
CC compositions and vaccines for the prevention and treatment of cancers
CC such as colon cancer. They are also useful for the diagnosis and
CC monitoring of such cancers. Antibodies to the colon tumour proteins
CC and antigen presenting cells that express polynucleotides encoding
CC colon tumour proteins can be used to inhibit the development of
CC cancers. T-cells that react specifically with colon tumour proteins
CC are useful for removing tumour cells from samples (e.g. blood) and
CC for cancer treatment. The polynucleotides sequences are also useful in
CC gene therapy. AAS57325-AAS58680 represent the cDNA sequences of the
CC invention that encode for portions of human colon tumour proteins.
XX
SQ Sequence 211 BP; 41 A; 71 C; 62 G; 37 T; 0 other;

Query Match 73.6%; Score 20.6; DB 23; Length 211;
Best Local Similarity 85.2%; Pred. No. 48;
Matches 23; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 GGGCTGCAGGTCAAGATGCGGAAAC 27
DB 78 GCGCTGCTGCTCCAGATGGAGGAAC 104

RESULT 6
AAQ11838
ID AAQ11838 standard; cDNA; 476 BP.
XX
AC AAQ11838;

Best Local Similarity 85.2%; Score 20.6; DB 12; Length 476;
Matches 23; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 2 GGGCTGCAGGTCAAGATGCGGAAACT 28
DB 50 GCGCTGGCGTCAAGATGCGGAACT 76

RESULT 7
AAC60103
ID AAC60103 standard; cDNA; 476 BP.
XX
AC AAC60103;
XX
DT 29-JAN-2001 (first entry)

Best Local Similarity 85.2%; Score 20.6; DB 12; Length 476;
Matches 23; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 2 GGGCTGCAGGTCAAGATGCGGAAACT 28
DB 50 GCGCTGGCGTCAAGATGCGGAACT 76

RESULT 7
AAC60103
ID AAC60103 standard; cDNA; 476 BP.
XX
AC AAC60103;
XX
DT 29-JAN-2001 (first entry)

XX 26-JUL-1991 (first entry)
DT TRFP chain 2 - long form.
DE Human T cell reactive feline protein; cat allergens; ss.
XX
XX Felis catus.
XX
FH Key Location/Qualifiers
FT CDS 2..338
FT /*tag= a
FT sig_peptide 8..59
FT /*tag= b
FT /product= leader sequence
FT mat_peptide 60..338
FT /*tag= c
FT /product= TRFP chain 2
XX
XX WO9106571-A.
XX 10-MAY-1991.
PD
XX
XX 02-NOV-1990; 90WO-US06548.
PF
XX
XX 03-NOV-1989; 89US-0431565.
PR
XX
XX (IMMU-) IMMULOGIC PHARM COR.
PA
XX
XX Geffer ML, Garman RD, Greenstein JL, Juo M, Rogers BL;
PI Brauer AW;
XX
XX WPI; 1991-164136/22.
DR P-PSDB; AAR12121.
DR
XX
XX New pure covalently linked human T cell reactive feline protein -
PT and modified peptide(s), used to reduce effects of cat allergens
PT and to diagnose sensitivity to allergens.
XX
XX Claim 25; Fig 3; 70pp; English.
PS
XX
CC Poly-A mRNA from cat parotid and mandibular glands was used to
CC produce cDNA clones for both chain 1 and chain 2 of TRFP. These
CC clones were then used to screen a cat genomic library. Chain 1
CC exists in two forms having different leader sequences (A and B).
CC The sequence can be used to express the protein and peptide deriva.
CC which stimulate T-cells in persons allergic to cats. The peptides
CC can be used to reduce/eliminate the allergic response partic. by
CC modifn. of lymphokine prodn. by the T-cells. They can also be
CC used to identify epitopes responsible for sensitivity. The DNA can
CC be used to detect comparable sequence in other species, and also
CC for prodn. of modified forms of TRFP esp. showing reduced binding
CC to IgG and thus reduced tendency to cause adverse reactions.
CC See also AAQ11836-Q11841.
XX
SQ Sequence 476 BP; 135 A; 116 C; 109 G; 116 T; 0 other;

Query Match 73.6%; Score 20.6; DB 12; Length 476;
Best Local Similarity 85.2%; Pred. No. 52;
Matches 23; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 2 GGGCTGCAGGTCAAGATGCGGAAACT 28
DB 50 GCGCTGGCGTCAAGATGCGGAACT 76

RESULT 7
AAC60103
ID AAC60103 standard; cDNA; 476 BP.
XX
AC AAC60103;
XX
DT 29-JAN-2001 (first entry)

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XX DE T cell reactive feline protein chain 2 long form DNA.
XX KW Cat; allergy; human T cell reactive feline protein; hTRFP;
XX KW immunotherapy; ss.
XX OS Felis sp.
XX XX
XX PN US6120769-A.
XX PD 19-SEP-2000.
XX PF 28-APR-1995; 95US-0431184.
XX PR 02-SEP-1994; 94US-0300928.
XX PR 03-NOV-1989; 89US-0431565.
XX PR 28-FEB-1991; 91US-0662276.
XX PR 13-DEC-1991; 91US-0807529.
XX PR 25-MAR-1992; 92US-0857311.
XX PR 15-MAY-1992; 92US-0884718.
XX PR 15-JAN-1993; 93US-0006116.
XX PA (IMMU-) IMMULOGIC PHARM CORP.
XX PI Geffer ML, Garman RD, Greenstein JL, Bond JF;
XX PI P-PSDB; AAB28933.
XX DR WPI; 2000-601477/57.
XX DR P-PSDB; AAB28933.
XX XX
XX PT Detecting, preventing and treating sensitivity to cat protein allergen
XX PT comprises combining a biological sample with a human T cell reactive
XX PT feline protein and determining the extent of binding that occurs -
XX PS Disclosure; Figure 3; 106pp; English.
XX CC The present invention relates to the detection of sensitivity to a cat
XX CC protein allergen by combining a blood sample from a subject with a
XX CC peptide of human T cell reactive feline protein (hTRFP). This method
XX CC and the hTRFP peptides are useful for diagnosing, preventing and
XX CC treating cat allergies by reducing or abolishing an individual's
XX CC allergic response to a cat allergen. DNA encoding the TRFP may be
XX CC used as probes to locate equivalent sequences present in other species.
XX CC These may further be used to study the mechanism of immunotherapy of
XX CC cat allergy, and to design modified derivatives, analogues or
XX CC functional equivalents useful in immunotherapy. The present
XX CC sequence was used in the invention.
XX SQ Sequence 476 BP; 134 A; 117 C; 109 G; 116 T; 0 other;

Query Match 73.6%; Score 20.6; DB 21; Length 476;
Best Local Similarity 85.2%; Pred. No. 52;
Matches 23; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 2 GGGCTGCAGGTCAGATGCGGAACT 28
Db ||||| ||||| ||||| ||||| |||||
50 GCGCTGGCGTCAGATGCGGAACT 76

RESULT 8
AA12244
ID AA12244 standard; cDNA; 476 BP.
XX AA12244;
XX XX
XX 22-AUG-2000 (first entry)
XX DE Feline human TRFP chain 2 long form cDNA.
XX KW T-cell reactive feline protein; TRFP; Fel d I; cat allergen;
XX KW antiallergic; T cell stimulator; diagnostic; immunotherapy; ss.
XX OS Felis sp.
XX XX

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PN US6048962-A.
XX 11-APR-2000.
XX PF 27-APR-1995; 95US-0430014.
XX PR 02-SEP-1994; 94US-0300928.
XX PR 03-NOV-1989; 89US-0431565.
XX PR 28-FEB-1991; 91US-0662276.
XX PR 13-DEC-1991; 91US-0807529.
XX PR 25-MAR-1992; 92US-0857311.
XX PR 15-MAY-1992; 92US-0884718.
XX PR 15-JAN-1993; 93US-0006116.
XX PA (IMMU-) IMMULOGIC PHARM CORP.
XX PI Kuo M, Rogers BL, Geffer ML, Morgenstern JP, Brauer AW;
XX PI Greenstein JL, Griffith IJ, Garman RD;
XX DR WPI; 2000-316905/27.
XX DR P-PSDB; AAY87673.
XX XX
XX PT New human T cell reactive feline protein useful for reducing or
XX PT abolishing individual's allergic response to cat allergen comprising
XX PT two different covalently linked peptide chains -
XX PS Claim 3; Column 75-76; 106pp; English.
XX CC This invention describes a novel naturally occurring cat protein allergen
XX CC (I), human T cell reactive feline protein (TRFP), comprising two
XX CC different covalently linked peptide chains with a molecular weight of 20
XX CC kD, 40 kD or 130 kD under non-reducing conditions and 5 kD or 10-18 kD
XX CC under reducing conditions. The products of the invention have
XX CC antiallergic activity and act as human T cell stimulators. TRFP is useful
XX CC for reducing or preventing the adverse effects of cat allergens on cat
XX CC allergic individuals and in ex vivo diagnostic tests to determine which
XX CC peptides cause sensitivity so as to selectively use them to desensitize
XX CC a cat sensitive individual. Purified TRFP is also useful for studying
XX CC the mechanism of immunotherapy of cat allergy and to design modified
XX CC derivatives, analogs or functional equivalents that are more useful in
XX CC immunotherapy against cat allergy. DNA sequences encoding TRFP are
XX CC useful as probes to locate equivalent sequences present in other species
XX CC (goats, sheep, dogs, rabbits or horses) that may be useful in diagnostics
XX CC and/or therapeutics. Fully defined and characterized TRFP provides
XX CC complete and a very simple desensitization therapy. This sequence
XX CC encodes a human T cell reactive feline protein (also known as Fel d I)
XX CC chain 2, long form which is described in the method of the invention.
XX SQ Sequence 476 BP; 134 A; 117 C; 109 G; 116 T; 0 other;

Query Match 73.6%; Score 20.6; DB 21; Length 476;
Best Local Similarity 85.2%; Pred. No. 52;
Matches 23; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 2 GGGCTGCAGGTCAGATGCGGAACT 28
Db ||||| ||||| ||||| ||||| |||||
50 GCGCTGGCGTCAGATGCGGAACT 76

RESULT 9
AAA07437
ID AAA07437 standard; cDNA; 476 BP.
XX AAA07437;
XX AC AAA07437;
XX XX
XX 13-JUL-2000 (first entry)
XX DT Cat TRFP chain 2 long form protein coding sequence.
XX DE
XX KW Cat; TRFP; human T-cell reactive feline protein; cat protein allergen;
XX KW house dust; Fel d I; cat allergy; Felis domesticus sensitivity; therapy;
XX KW diagnosis; goat; sheep; horse; rabbit; dog; ss.
XX XX

```

OS Felis domesticus.

XX Key Location/Qualifiers

PH CDS 2..337

FT sig_peptide /*tag= a

FT mat_peptide /*tag= b

FT /*tag= c

XX US6025162-A.

PN 15-FEB-2000.

XX 28-APR-1995; 95US-0430944.

XX 02-SEP-1994; 94US-0300928.

PR 03-NOV-1989; 89US-0431565.

PR 28-FEB-1991; 91US-0662276.

PR 13-DEC-1991; 91US-0807529.

PR 25-MAR-1992; 92US-0857311.

PR 15-MAY-1992; 92US-0884718.

PR 15-JAN-1993; 93US-0006116.

XX (IMMU-) IMMULOGIC PHARM CORP.

XX Morgenstern JP, Griffith IJ, Rogers BL;

PI WPI; 2000-181812/16.

DR P-PSDB; AAY90103.

XX New human T cell reactive feline protein, useful for desensitizing cat

PT allergic individuals to cat allergens -

XX Claim 2; Fig 3; 108pp; English.

XX This sequence encodes a peptide chain of the human T cell reactive feline

CC protein (TRFP) of the invention. The protein is a cat protein allergen,

CC and was isolated from a vacuum bag extract obtained by affinity

CC purification of house dust collected from several homes with cats. TRFP

CC is composed of two covalently linked peptide chains, and is also referred

CC to as Fel d I. TRFP and its peptides are useful for reducing or

CC preventing the adverse effects that exposure to cat allergens normally

CC has on cat allergic individuals (i.e. to desensitize individuals to cat

CC allergens or block the effect of the allergens). TRFP is also used in

CC methods of diagnosing sensitivity to feline domesticus in an individual.

CC DNA sequences encoding TRFP can be used as probes to locate equivalent

CC sequences present in other species, e.g. goat, sheep, horse, rabbit and

CC dog, that may be useful in a diagnostic and/or therapeutic applications.

XX SQ Sequence 476 BP; 134 A; 117 C; 109 G; 116 T; 0 other;

Query Match 73.6%; Score 20.6; DB 21; Length 476;

Best Local Similarity 85.2%; Pred. No. 52;

Matches 23; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 2 GGCCTGCAGTCAAGATGGCGGAACT 28

DB 50 GCGCTGGCGTCAAGATGGCGGAACT 76

RESULT 10

AZ88617

ID AA288617 standard; cDNA; 476 BP.

XX AC AA288617;

XX 22-MAY-2000 (first entry)

DE Human TRFP chain 2 (long form) cDNA fragment.

XX T-cell reactive feline protein; TRFP; T cell epitope; T cell receptor;

KW down regulation; immune response; allergen; immunoglobulin E;

KW

KW sensitivity; cat protein allergen; human; chain 2; ss.

XX Homo sapiens.

XX Key Location/Qualifiers

PH CDS 1..337

FT /*tag= a

FT /*tag= partial

FT /*product= "TRFP chain 2 long form"

XX US6019972-A.

PN 01-FEB-2000.

XX 02-SEP-1994; 94US-0300928.

XX 03-NOV-1989; 89US-0431565.

PR 28-FEB-1991; 91US-0662276.

PR 13-DEC-1991; 91US-0807529.

PR 25-MAR-1992; 92US-0857311.

PR 15-MAY-1992; 92US-0884718.

PR 15-JAN-1993; 93US-0006116.

XX (IMMU-) IMMULOGIC PHARM CORP.

XX Garman RD, Greenstein JL, Kuo M, Briner TJ, Morville M, Gefter ML;

PI WPI; 2000-146862/13.

DR P-PSDB; AAY51470.

XX Peptides of human T cell reactive feline protein for treating

PT sensitivity to cat protein allergens comprise at least one T cell

PT epitope recognized by a T cell receptor specific for the human T cell

PT reactive feline protein -

XX Example 2; Column 75-76; 105pp; English.

XX This invention describes a novel peptide (I) of human T cell reactive

CC feline protein (hTRFP) having at least one T cell epitope recognized

CC by a T cell receptor specific for the human T cell reactive feline

CC protein, the peptide consisting of at least 7-30 amino acids, and having

CC an amino acid sequence derived from an amino acid sequence comprising 94,

CC 96, 97, 109, or 111 residues, given in the specification. The peptides

CC down regulate the immune response to the allergen. The peptides have

CC reduced immunoglobulin E binding and reduce T cell responsiveness. The

CC peptide (I) is useful in compositions for treating sensitivity to a cat

CC protein allergen in a subject. This sequence encodes the human TRFP

CC chain 2 (long form).

XX SQ Sequence 476 BP; 134 A; 117 C; 109 G; 116 T; 0 other;

Query Match 73.6%; Score 20.6; DB 21; Length 476;

Best Local Similarity 85.2%; Pred. No. 52;

Matches 23; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 2 GGCCTGCAGTCAAGATGGCGGAACT 28

DB 50 GCGCTGGCGTCAAGATGGCGGAACT 76

RESULT 11

AAQ41558

ID AAQ41558 standard; DNA; 485 BP.

XX AC AAQ41558;

XX 25-MAR-2003 (updated)

DT 12-AUG-1993 (first entry)

DE TRFP chain 2 (with Leader).

XX Human T cell reactive feline protein; TRFP; leader A; leader B;

KW epitope; ss.

KW

```
XX OS Felis.
XX FH Key Location/Qualifiers
XX FT sig_peptide 8..58
XX FT sig_peptide /*tag= a
XX FT CDS 8..337
XX FT /*tag= b
XX PN WO9308280-A1.
XX PD 29-APR-1993.
XX PF 16-OCT-1992; 92WO-US08694.
XX PR 16-OCT-1991; 91US-0777859.
XX PR 13-DEC-1991; 91US-0807529.
XX PA (IMMU-) IMMULOGIC PHARM CORP.
XX PI Bond JF, Garman RD, Kuo M, Morgenstern JP, Morville M;
XX PI Rogers BL;
XX DR WPI; 1993-152473/18.
XX DR P-PSDB; AAR36541.
XX PS Recombitope peptide having T-cell stimulating activity - for the
XX PT diagnosis and treatment of sensitivity to protein allergens,
XX PT auto:antigens and protein antigens
XX PS Disclosure; Fig 2; 73pp; English.
XX CC Chains 1 and 2 of the TRPP have been recombinantly expressed in E.
XX CC coli and purified. T cell epitope studies using overlapping peptide
XX CC regions derived from the TRPP amino acids sequence were used to
XX CC identify multiple T cell epitopes in each chain of TRPP.
XX CC (Updated on 25-MAR-2003 to correct PN field.)
XX SQ Sequence 485 BP; 144 A; 116 C; 109 G; 116 T; 0 other;

Query Match 73.6%; Score 20.6; DB 14; Length 485;
Best Local Similarity 85.2%; Pred. No. 52;
Matches 23; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 2 GGCCTCAGGTCAAGATGCGGAAACT 28
Db ||||| ||||| ||||| ||||| |||||
50 GCGCTGGCGTCAAGATGCGGAAACT 76

RESULT 12
AAQ49535
ID AAQ49535 standard; DNA; 485 BP.
XX AC AAQ49535;
XX DT 25-MAR-2003 (updated)
XX DT 21-APR-1994 (first entry)
XX DE Human T cell reactive feline protein chain 2 DNA.
XX KW Human; T cell; reactive; feline; protein; immune response; antigen;
XX KW tolerance; mammal; Dermatophagoides; Felis; Ambrosia; Lolium; Canis;
XX KW Cryptomeria; Alternaria; Alder; Betula; Quercus; Olea; Artemesia;
XX KW Plantago; Parietaria; Blatella; Apis; Periplaneta; autoantigen; ss.
XX OS Homo sapiens.
XX FH Key Location/Qualifiers
XX FT CDS 8..337
XX FT /*tag= a
XX FT /product= TRPP chain 2
XX FT sig_peptide 8..58
XX FT /*tag= b
```

```
FT mat_peptide 59..334
XX /*tag= c
XX PN WO9319178-A2.
XX PD 30-SEP-1993.
XX PF 25-MAR-1993; 93WO-US02462.
XX PR 25-MAR-1992; 92US-0857311.
XX PR 15-MAY-1992; 92US-0884718.
XX PR 15-JAN-1993; 93US-0006116.
XX PA (IMMU-) IMMUNOLOGIC PHARM CORP.
XX PI Briner TJ, Garman RD, Geffer ML, Greenstein JL, Kuo M;
XX PI Morville M;
XX DR WPI; 1993-320744/40.
XX DR P-PSDB; AAR41985.
XX PT New peptide(s) for inducing tolerance - comprise one or more
XX PT epitope(s) of an allergen administered subcutaneously, for
XX PT treating sensitivity to cats, bees, etc.
XX PS Disclosure; Fig 2; 107pp; English.
XX CC This sequence encodes chain 2 of human T cell reactive feline protein
XX CC (TRPP). Peptides derived from TRPP may be used in a therapeutic
XX CC composition which is useful in treating diseases which involve an
XX CC immune response to a protein antigen. This composition may be used
XX CC to induce tolerance in a mammal to Dermatophagoides, Felis, Ambrosia,
XX CC Lolium, Cryptomeria, Alternaria, Alder, Betula, Quercus, Olea,
XX CC Artemesia, Plantago, Parietaria, Canis, Blatella, Apis, Periplaneta
XX CC and to autoantigens in humans
XX CC (Updated on 25-MAR-2003 to correct PN field.)
XX SQ Sequence 485 BP; 144 A; 118 C; 107 G; 116 T; 0 other;

Query Match 73.6%; Score 20.6; DB 14; Length 485;
Best Local Similarity 85.2%; Pred. No. 52;
Matches 23; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 2 GGCCTCAGGTCAAGATGCGGAAACT 28
Db ||||| ||||| ||||| ||||| |||||
50 GCGCTGGCGTCAAGATGCGGAAACT 76

RESULT 13
AAK57598/c
ID AAK57598 standard; cDNA; 714 BP.
XX AC AAK57598;
XX DT 06-NOV-2001 (first entry)
XX DE Human immune/haematopoietic antigen encoding cDNA SEQ ID NO:2658.
XX KW Human; immune; haematopoietic; immune/haematopoietic antigen; cancer;
XX KW cytostatic; gene therapy; vaccine; metastasis; ss.
XX OS Homo sapiens.
XX PN WO200157182-A2.
XX PD 09-AUG-2001.
XX PF 17-JAN-2001; 2001WO-US01354.
XX PR 31-JAN-2000; 2000US-0179065.
XX PR 04-FEB-2000; 2000US-0180628.
XX PR 22-FEB-2000; 2000US-0184664.
XX PR 02-MAR-2000; 2000US-0186350.
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PR 16-MAR-2000; 2000US-0189874.
PR 17-MAR-2000; 2000US-0190076.
PR 18-APR-2000; 2000US-0198123.
PR 19-MAY-2000; 2000US-0205515.
PR 20-JUN-2000; 2000US-0209467.
PR 28-JUN-2000; 2000US-0214886.
PR 30-JUN-2000; 2000US-0215135.
PR 07-JUL-2000; 2000US-0216647.
PR 07-JUL-2000; 2000US-0216880.
PR 11-JUL-2000; 2000US-0217487.
PR 11-JUL-2000; 2000US-0217496.
PR 14-JUL-2000; 2000US-0218290.
PR 26-JUL-2000; 2000US-0220963.
PR 26-JUL-2000; 2000US-0220964.
PR 14-AUG-2000; 2000US-0224518.
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PR 14-AUG-2000; 2000US-0225266.
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PR 14-AUG-2000; 2000US-0225268.
PR 14-AUG-2000; 2000US-0225270.
PR 14-AUG-2000; 2000US-0225447.
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PR 14-AUG-2000; 2000US-0225758.
PR 14-AUG-2000; 2000US-0225759.
PR 18-AUG-2000; 2000US-0226279.
PR 22-AUG-2000; 2000US-0226691.
PR 22-AUG-2000; 2000US-0226868.
PR 22-AUG-2000; 2000US-0227182.
PR 23-AUG-2000; 2000US-0227009.
PR 30-AUG-2000; 2000US-0228924.
PR 01-SEP-2000; 2000US-0229287.
PR 01-SEP-2000; 2000US-0229343.
PR 01-SEP-2000; 2000US-0229344.
PR 01-SEP-2000; 2000US-0229345.
PR 05-SEP-2000; 2000US-0229509.
PR 05-SEP-2000; 2000US-0229513.
PR 05-SEP-2000; 2000US-0230437.
PR 06-SEP-2000; 2000US-0230438.
PR 08-SEP-2000; 2000US-0231242.
PR 08-SEP-2000; 2000US-0231243.
PR 08-SEP-2000; 2000US-0231244.
PR 08-SEP-2000; 2000US-0231413.
PR 08-SEP-2000; 2000US-0231414.
PR 08-SEP-2000; 2000US-0232080.
PR 08-SEP-2000; 2000US-0232081.
PR 12-SEP-2000; 2000US-0231968.
PR 14-SEP-2000; 2000US-0232397.
PR 14-SEP-2000; 2000US-0232398.
PR 14-SEP-2000; 2000US-0232399.
PR 14-SEP-2000; 2000US-0232400.
PR 14-SEP-2000; 2000US-0232401.
PR 14-SEP-2000; 2000US-0233063.
PR 14-SEP-2000; 2000US-0233064.
PR 14-SEP-2000; 2000US-0233065.
PR 21-SEP-2000; 2000US-0234223.
PR 21-SEP-2000; 2000US-0234274.
PR 25-SEP-2000; 2000US-0234997.
PR 25-SEP-2000; 2000US-0234998.
PR 26-SEP-2000; 2000US-0235484.
PR 27-SEP-2000; 2000US-0235834.
PR 27-SEP-2000; 2000US-0235836.
PR 29-SEP-2000; 2000US-0236327.
PR 29-SEP-2000; 2000US-0236367.
PR 29-SEP-2000; 2000US-0236368.
PR 29-SEP-2000; 2000US-0236369.
PR 29-SEP-2000; 2000US-0236370.
PR 02-OCT-2000; 2000US-0236802.
PR 02-OCT-2000; 2000US-0237037.
PR 02-OCT-2000; 2000US-0237038.
PR 02-OCT-2000; 2000US-0237039.
PR 02-OCT-2000; 2000US-0237040.

PR 13-OCT-2000; 2000US-0239935.
PR 13-OCT-2000; 2000US-0239937.
PR 20-OCT-2000; 2000US-0240960.
PR 20-OCT-2000; 2000US-0241221.
PR 20-OCT-2000; 2000US-0241785.
PR 20-OCT-2000; 2000US-0241786.
PR 20-OCT-2000; 2000US-0241787.
PR 20-OCT-2000; 2000US-0241808.
PR 20-OCT-2000; 2000US-0241809.
PR 20-OCT-2000; 2000US-0241826.
PR 01-NOV-2000; 2000US-0244617.
PR 08-NOV-2000; 2000US-0246474.
PR 08-NOV-2000; 2000US-0246475.
PR 08-NOV-2000; 2000US-0246476.
PR 08-NOV-2000; 2000US-0246477.
PR 08-NOV-2000; 2000US-0246478.
PR 08-NOV-2000; 2000US-0246523.
PR 08-NOV-2000; 2000US-0246524.
PR 08-NOV-2000; 2000US-0246525.
PR 08-NOV-2000; 2000US-0246526.
PR 08-NOV-2000; 2000US-0246527.
PR 08-NOV-2000; 2000US-0246528.
PR 08-NOV-2000; 2000US-0246532.
PR 08-NOV-2000; 2000US-0246609.
PR 08-NOV-2000; 2000US-0246610.
PR 08-NOV-2000; 2000US-0246611.
PR 08-NOV-2000; 2000US-0246613.
PR 17-NOV-2000; 2000US-0249207.
PR 17-NOV-2000; 2000US-0249208.
PR 17-NOV-2000; 2000US-0249209.
PR 17-NOV-2000; 2000US-0249210.
PR 17-NOV-2000; 2000US-0249211.
PR 17-NOV-2000; 2000US-0249212.
PR 17-NOV-2000; 2000US-0249213.
PR 17-NOV-2000; 2000US-0249214.
PR 17-NOV-2000; 2000US-0249215.
PR 17-NOV-2000; 2000US-0249216.
PR 17-NOV-2000; 2000US-0249217.
PR 17-NOV-2000; 2000US-0249218.
PR 17-NOV-2000; 2000US-0249244.
PR 17-NOV-2000; 2000US-0249245.
PR 17-NOV-2000; 2000US-0249264.
PR 17-NOV-2000; 2000US-0249265.
PR 17-NOV-2000; 2000US-0249297.
PR 17-NOV-2000; 2000US-0249299.
PR 17-NOV-2000; 2000US-0249300.
PR 01-DEC-2000; 2000US-0250160.
PR 01-DEC-2000; 2000US-0250191.
PR 05-DEC-2000; 2000US-0251030.
PR 05-DEC-2000; 2000US-0251988.
PR 05-DEC-2000; 2000US-0251989.
PR 05-DEC-2000; 2000US-0251990.
PR 11-DEC-2000; 2000US-0254097.
PR 05-JAN-2001; 2001US-0259678.

(HUMA-) HUMAN GENOME SCI INC.
Rosen CA, Barash SC, Ruben SM;
WPI; 2001-483426/52.
P-PSDB; AAM84817.
Nucleic acids encoding human immune/hematopoietic antigen polypeptides,
useful for preventing, diagnosing and/or treating cancers and
metastasis -
Claim 1; SEQ ID NO 2658; 3071pp + Sequence Listing; English.

CC AAK54951 to AAK64702 encode the human immune/haematopoietic antigen (I)
 CC amino acid sequences given in AAK82170 to AAK91921. (I) have cytostatic
 CC activity, and can be used in gene therapy and vaccine production. (I)
 CC proteins and polynucleotides may be used in the prevention, diagnosis and
 CC treatment of diseases associated with inappropriate (I) expression. For
 CC example, they may be used to treat disorders associated with decreased
 CC expression by rectifying mutations or deletions in a patient's genome
 CC that affect the activity of (I) by expressing inactive proteins or to
 CC supplement the patient's own production of (I). Additionally, (I)
 CC polynucleotides may be used to produce the secreted (I), by inserting
 CC the nucleic acids into a host cell and culturing the cell to express the
 CC protein. (I) proteins and polynucleotides may be used to prevent,
 CC diagnose and treat immune/haematopoietic-related diseases, especially
 CC cancers and cancer metastases of haematopoietic-derived cells. AAK64703
 CC to AAK87694 represent human immune/haematopoietic antigen genomic
 CC sequences from the present invention. AAK54942 to AAK54950 and AAK82169
 CC represent sequences used in the exemplification of the present invention.

XX
 SQ Sequence 714 BP; 208 A; 160 C; 174 G; 165 T; 7 other;

Query Match 73.6%; Score 20.6; DB 22; Length 714;
 Best Local Similarity 85.2%; Pred. No. 54;
 Matches 23; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 GGGGCTGCAGTCAAGATGCGGAAC 27
 | ||||| ||||| ||||| ||||| |||||
 Db 170 GCGGCTGCTGCTCAGATGAGGAAC 144

RESULT 14

AAK70696/c
 ID AAK70696 standard; DNA; 715 BP.
 XX
 AC AAK70696;
 DT
 DT 06-NOV-2001 (first entry)
 XX
 DE Human immune/haematopoietic antigen genomic sequence SEQ ID NO:25508.
 XX
 KW Human; immune; haematopoietic; immune/haematopoietic antigen; cancer;
 KW cytostatic; gene therapy; vaccine; metastasis; ds.
 XX
 XX Homo sapiens.
 OS
 PN WO200157182-A2.
 XX
 PD 09-AUG-2001.
 XX
 PF 17-JAN-2001; 2001WO-US01354.
 XX
 XX 31-JAN-2000; 2000US-0179065.
 PR 04-FEB-2000; 2000US-0180628.
 PR 24-FEB-2000; 2000US-0184654.
 PR 02-MAR-2000; 2000US-0186350.
 PR 16-MAR-2000; 2000US-0189874.
 PR 17-MAR-2000; 2000US-0190076.
 PR 18-APR-2000; 2000US-0198123.
 PR 19-MAY-2000; 2000US-0205515.
 PR 07-JUN-2000; 2000US-0209467.
 PR 28-JUN-2000; 2000US-0214886.
 PR 30-JUN-2000; 2000US-0215135.
 PR 07-JUL-2000; 2000US-0216647.
 PR 07-JUL-2000; 2000US-0216880.
 PR 11-JUL-2000; 2000US-0217487.
 PR 11-JUL-2000; 2000US-0217496.
 PR 14-JUL-2000; 2000US-0218290.
 PR 26-JUL-2000; 2000US-0220963.
 PR 14-AUG-2000; 2000US-0220964.
 PR 14-AUG-2000; 2000US-0224518.
 PR 14-AUG-2000; 2000US-0224519.
 PR 14-AUG-2000; 2000US-0225213.
 PR 14-AUG-2000; 2000US-0225214.
 PR 14-AUG-2000; 2000US-0225266.

PR 14-AUG-2000; 2000US-0225267.
 PR 14-AUG-2000; 2000US-0225268.
 PR 14-AUG-2000; 2000US-0225270.
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 PR 14-AUG-2000; 2000US-0225757.
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 PR 14-AUG-2000; 2000US-0225759.
 PR 18-AUG-2000; 2000US-0226279.
 PR 22-AUG-2000; 2000US-0226681.
 PR 22-AUG-2000; 2000US-0226868.
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 PR 30-AUG-2000; 2000US-0228924.
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 PR 08-SEP-2000; 2000US-0231243.
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 PR 12-SEP-2000; 2000US-0232081.
 PR 14-SEP-2000; 2000US-0232397.
 PR 14-SEP-2000; 2000US-0232398.
 PR 14-SEP-2000; 2000US-0232399.
 PR 14-SEP-2000; 2000US-0232400.
 PR 14-SEP-2000; 2000US-0232401.
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 PR 21-SEP-2000; 2000US-0234274.
 PR 25-SEP-2000; 2000US-0234997.
 PR 25-SEP-2000; 2000US-0234998.
 PR 26-SEP-2000; 2000US-0235484.
 PR 27-SEP-2000; 2000US-0235834.
 PR 27-SEP-2000; 2000US-0235836.
 PR 29-SEP-2000; 2000US-0236327.
 PR 29-SEP-2000; 2000US-0236367.
 PR 29-SEP-2000; 2000US-0236368.
 PR 29-SEP-2000; 2000US-0236369.
 PR 29-SEP-2000; 2000US-0236370.
 PR 02-OCT-2000; 2000US-0236802.
 PR 02-OCT-2000; 2000US-0237037.
 PR 02-OCT-2000; 2000US-0237038.
 PR 02-OCT-2000; 2000US-0237039.
 PR 13-OCT-2000; 2000US-0239935.
 PR 13-OCT-2000; 2000US-0239937.
 PR 20-OCT-2000; 2000US-0240960.
 PR 20-OCT-2000; 2000US-0241221.
 PR 20-OCT-2000; 2000US-0241785.
 PR 20-OCT-2000; 2000US-0241786.
 PR 20-OCT-2000; 2000US-0241787.
 PR 20-OCT-2000; 2000US-0241808.
 PR 20-OCT-2000; 2000US-0241809.
 PR 01-NOV-2000; 2000US-0241826.
 PR 01-NOV-2000; 2000US-0244617.
 PR 08-NOV-2000; 2000US-0246474.
 PR 08-NOV-2000; 2000US-0246475.
 PR 08-NOV-2000; 2000US-0246476.
 PR 08-NOV-2000; 2000US-0246477.
 PR 08-NOV-2000; 2000US-0246478.
 PR 08-NOV-2000; 2000US-0246523.
 PR 08-NOV-2000; 2000US-0246524.
 PR 08-NOV-2000; 2000US-0246525.

PR 08-NOV-2000; 2000US-0246526.
PR 08-NOV-2000; 2000US-0246527.
PR 08-NOV-2000; 2000US-0246528.
PR 08-NOV-2000; 2000US-0246532.
PR 08-NOV-2000; 2000US-0246609.
PR 08-NOV-2000; 2000US-0246610.
PR 08-NOV-2000; 2000US-0246611.
PR 08-NOV-2000; 2000US-0246613.
PR 17-NOV-2000; 2000US-0249207.
PR 17-NOV-2000; 2000US-0249208.
PR 17-NOV-2000; 2000US-0249209.
PR 17-NOV-2000; 2000US-0249210.
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PR 17-NOV-2000; 2000US-0249212.
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PR 17-NOV-2000; 2000US-0249215.
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PR 17-NOV-2000; 2000US-0249299.
PR 17-NOV-2000; 2000US-0249300.
PR 01-DEC-2000; 2000US-0250160.
PR 01-DEC-2000; 2000US-0250391.
PR 05-DEC-2000; 2000US-0251030.
PR 05-DEC-2000; 2000US-0251988.
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PR 08-DEC-2000; 2000US-0251479.
PR 08-DEC-2000; 2000US-0251856.
PR 08-DEC-2000; 2000US-0251868.
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PR 08-DEC-2000; 2000US-0251989.
PR 11-DEC-2000; 2000US-0251990.
PR 11-DEC-2000; 2000US-0254097.
PR 05-JAN-2001; 2001US-0259678.
XX XX
PA (HUMA-) HUMAN GENOME SCI INC.
XX XX
XX Rosen CA, Barash SC, Ruben SM;
XX WFI; 2001-483426/52.
XX

XX Nucleic acids encoding human immune/hematopoietic antigen polypeptides,
PT useful for preventing, diagnosing and/or treating cancers and
PT metastasis -
XX

PS Disclosure; SEQ ID NO 25508; 3071pp + Sequence Listing; English.

XX AAK54951 to AAK64702 encode the human immune/haematopoietic antigen (I)
XX amino acid sequences given in AAK82170 to AAK91921. (I) have cytostatic
XX activity, and can be used in gene therapy and vaccine production. (I)
XX proteins and polynucleotides may be used in the prevention, diagnosis and
XX treatment of diseases associated with inappropriate (I) expression. For
XX example, they may be used to treat disorders associated with decreased
XX expression by rectifying mutations or deletions in a patient's genome
XX that affect the activity of (I) by expressing inactive proteins or to
XX supplement the patients own production of (I). Additionally, (I)
XX polynucleotides may be used to produce the secreted (I), by inserting the
XX the nucleic acids into a host cell and culturing the cell to express the
XX protein. (I) proteins and polynucleotides may be used to prevent,
XX diagnose and treat immune/haematopoietic-related diseases, especially
XX cancers and cancer metastases of haematopoietic-derived cells. AAK64703
XX to AAK87694 represent human immune/haematopoietic antigen genomic
XX sequences from the present invention. AAK54942 to AAK54950 and AAK82169
XX represent sequences used in the exemplification of the present invention.
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XX Sequence 715 BP; 209 A; 161 C; 179 G; 166 T; 0 other;

Query Match 73.6%; Score 20.6; DB 22; Length 715;
Best Local Similarity 85.2%; Pred. No. 54;
Matches 23; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
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DB 171 GCGGCTGCTGCTCCAGATGGAGGAAC 145
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XX Human immune/haematopoietic antigen genomic sequence SEQ ID NO:25509.
DE Human; immune; haematopoietic; immune/haematopoietic antigen; cancer;
XX Human; immune; haematopoietic; immune/haematopoietic antigen; cancer;
KW cytostatic; gene therapy; vaccine; metastasis; ds.
XX Homo sapiens.
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PR 17-NOV-2000; 2000US-0249244.
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PR 01-DEC-2000; 2000US-0250160.
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PR 11-DEC-2000; 2000US-0254097.
PR 05-JAN-2001; 2001US-0259678.
XX
(HUMA-) HUMAN GENOME SCI INC.
PA Rosen CA, Barash SC, Ruben SM;
PI
XX
XX
XX WPI; 2001-483426/52.
DR
XX
XX
PT Nucleic acids encoding human immune/hematopoietic antigen polypeptides,
PT useful for preventing, diagnosing and/or treating cancers and
PT metastasis -
XX
PS Disclosure; SEQ ID NO 25509; 3071pp + Sequence Listing; English.
XX
XX AAK54951 to AAK64702 encode the human immune/hematopoietic antigen (I)
CC amino acid sequences given in AAK62170 to AAK91921. (I) have cytostatic
CC activity, and can be used in gene therapy and vaccine production. (I)
CC proteins and polynucleotides may be used in the prevention, diagnosis and
CC treatment of diseases associated with inappropriate (I) expression. For
CC example, they may be used to treat disorders associated with decreased
CC expression by rectifying mutations or deletions in a patient's genome
CC that affect the activity of (I) by expressing inactive proteins or to
CC supplement the patients own production of (I). Additionally, (I)
CC polynucleotides may be used to produce the secreted (I), by inserting
CC the nucleic acids into a host cell and culturing the cell to express the
CC protein. (I) proteins and polynucleotides may be used to prevent,
CC diagnose and treat immune/hematopoietic-related diseases, especially
CC cancers and cancer metastases of hematopoietic-derived cells. AAK64703
CC to AAK87694 represent human immune/hematopoietic antigen genomic
CC sequences from the present invention. AAK54942 to AAK54950 and AAK82169
CC represent sequences used in the exemplification of the present invention.
XX
SQ Sequence 715 BP; 209 A; 161 C; 179 G; 166 T; 0 other;

Query Match 73.6%; Score 20.6; DB 22; Length 715;
Best Local Similarity 85.2%; Pred. No. 54;
Matches 23; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 GGGGCTGCAGGTCAAGATGCGCGAAAC 27
Db 171 GCGGCTGCTGGTCCAGATGAGGAAAC 145

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Job time : 161.543 secs

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GenCore version 5.1.6
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OM-nucleic - nucleic search, using sw model

Run on: August 28, 2003, 14:17:06 ; Search time 115.349 Seconds
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Scoring table: IDENTITY NUC

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Searched: 1533700 seqs, 1147125425 residues

Total number of hits satisfying chosen parameters: 3067400

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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SUMMARIES

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c 22	17.8	55.6	451	10	US-09-833-381-1371	Sequence 1371, Ap
c 23	17.8	55.6	572	14	US-10-007-280A-64	Sequence 64, Appl
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ALIGNMENTS

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; Publication No. US20020164342A1
; GENERAL INFORMATION:

; APPLICANT: Guyre, Paul M.
; APPLICANT: Goldstein, Joel
; APPLICANT: Wu, Zining

; APPLICANT: Sun, Wanwen

; TITLE OF INVENTION: Recombinant Cat Allergen, Fel d1, Expressed in
; Baculovirus for Diagnosis and Treatment of Cat Allergy

; FILE REFERENCE: DC-0118

; CURRENT APPLICATION NUMBER: US/10/054,444

; CURRENT FILING DATE: 2002-01-22

; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/410,963

; PRIOR FILING DATE: EARLIER FILING DATE: 1999-10-05

; NUMBER OF SEQ ID NOS: 6

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 1

; LENGTH: 32

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence: Synthetic

US-10-054-444-1

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Db 1 AGGACTCGAGTGAATTTGCCGAGCGGTGAAG 32

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US-08-464-363-1

; Sequence 1, Application US/08464363

; Publication No. US20030035815A1

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;
; GENERAL INFORMATION:
; APPLICANT: Rogers, Bruce L.
; APPLICANT: Morgenstern, Jay
; APPLICANT: Bond, Julian F.
; APPLICANT: Garman, Richard D.
; APPLICANT: Greenstein, Julia L.
; APPLICANT: Kuo, Mei-chang
; APPLICANT: Morville, Malcolm
; TITLE OF INVENTION: RECOMBITOPE PEPTIDES
; NUMBER OF SEQUENCES: 76
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lahive & Cockfield
; STREET: 60 State Street, Suite 510
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII TEXT
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US 07/807,529
; FILING DATE: 13-DEC-1991
; APPLICATION NUMBER: US 07/662,276
; FILING DATE: 28-FEB-1991
; APPLICATION NUMBER: US 07/431,565
; FILING DATE: 03-NOV-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Amy E. Mandragouras
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: IMI-015CN
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; INFORMATION FOR SEQ ID NO: 1:
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; Publication No. US20030035815A1
; GENERAL INFORMATION:
; APPLICANT: Rogers, Bruce L.
; APPLICANT: Morgenstern, Jay
; APPLICANT: Bond, Julian F.
; APPLICANT: Garman, Richard D.
; APPLICANT: Greenstein, Julia L.
; APPLICANT: Kuo, Mei-chang
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; APPLICANT: Morville, Malcolm
; TITLE OF INVENTION: RECOMBITOPE PEPTIDES
; NUMBER OF SEQUENCES: 76
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lahive & Cockfield
; STREET: 60 State Street, Suite 510
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/464,363
; FILING DATE: 05-JUN-1995
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; APPLICATION NUMBER: US 07/807,529
; FILING DATE: 13-DEC-1991
; APPLICATION NUMBER: US 07/662,276
; FILING DATE: 28-FEB-1991
; APPLICATION NUMBER: US 07/431,565
; FILING DATE: 03-NOV-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Amy E. Mandragouras
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: IMI-015CN
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; INFORMATION FOR SEQ ID NO: 3:
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; Sequence 136388, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 10827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
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; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 136388
; LENGTH: 674
; TYPE: DNA
; ORGANISM: Human
; US-10-027-632-136388

Query Match      58.8%; Score 18.8; DB 13; Length 674;
Best Local Similarity 76.7%; Pred. No. 41;
Matches 23; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 AGAGCTCGAGTGAATTTGCCCGCCAGCCGTGA 30
   ||||| | ||||| ||||| |||||
Db 393 AGGACTCCTGCTTAATTTGCCCGCCAGTGA 364

RESULT 5
US-09-972-546-16
; Sequence 16, Application US/09972546
; Publication No. US20030124704A1
; GENERAL INFORMATION:
; APPLICANT: STRITTMATTER, STEPHEN M.
; APPLICANT: CAE, RICHARD L.
; APPLICANT: SAH, DINAH W.Y.
; TITLE OF INVENTION: NOGO RECEPTOR HOMOLOGS
; FILE REFERENCE: A116US
; CURRENT APPLICATION NUMBER: US/09/972,546
; CURRENT FILING DATE: 2001-10-06
; PRIOR APPLICATION NUMBER: 60/238,361
; PRIOR FILING DATE: 2000-10-06
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 16
; LENGTH: 215980
; TYPE: DNA
; ORGANISM: Mus sp.
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (1001)..(1100)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (2123)..(2222)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (3728)..(3827)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (5168)..(5267)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (7481)..(7580)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (8849)..(8948)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (10375)..(10474)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (12270)..(12369)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (13438)..(13537)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (15902)
; OTHER INFORMATION: a, t, c, g, other or unknown
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (15939)..(16038)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (18223)..(18322)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (20974)..(21073)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (24403)..(24502)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (27574)..(27673)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (30892)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (30901)..(31000)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (34443)..(34542)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (38205)..(38304)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (42373)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (42386)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (42393)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (42461)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (44809)..(44908)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (51380)..(51479)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (56740)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (56765)..(56864)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (62818)..(62917)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (68518)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (68534)..(68633)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (74552)..(74651)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (81446)..(81545)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (88519)..(88618)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (93791)
; OTHER INFORMATION: a, t, c, g, other or unknown

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; NAME/KEY: modified_base
; LOCATION: (93794)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (96565)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (96570)..(96573)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (96579)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (96590)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (96596)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (96602)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (96616)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (96629)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (96633)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (96668)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (96715)..(96814)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (104447)..(104546)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (114521)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (114527)..(114626)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (127063)..(127162)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (139133)..(139232)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (151051)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (153242)..(153341)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (164706)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (164708)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (164710)..(164809)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (182242)..(182341)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (192158)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
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; LOCATION: (192192)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (198842)..(198941)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
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Query Match 58.8%; Score 18.8; DB 11; Length 215980;
Best Local Similarity 76.7%; Pred. No. 87;
Matches 23; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 1 AGGACTCGAGTGAATTTGCCAGCGGTGA 30
|||||
Db 166675 AGGACTCGACTACATTTTGCATGCTTGA 166704
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RESULT 6

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US-10-175-523-5/c
; Sequence 5, Application US/10175523
; Publication No. US20030096264A1
; GENERAL INFORMATION:
; APPLICANT: Brockman, Jeffrey
; APPLICANT: Evans, David
; APPLICANT: Hook, Derek
; APPLICANT: Klimczak, Leszek
; APPLICANT: Laeng, Pascal
; APPLICANT: Palfreyman, Michael
; APPLICANT: Rajan, Prithi
; TITLE OF INVENTION: MULTI-PARAMETER HIGH THROUGHPUT SCREENING ASSAYS (MPHTS)
; FILE REFERENCE: 3235/1J795-US3
; CURRENT APPLICATION NUMBER: US/10/175,523
; CURRENT FILING DATE: 2002-06-18
; PRIOR APPLICATION NUMBER: US 60/299,151
; PRIOR FILING DATE: 2001-06-18
; PRIOR APPLICATION NUMBER: US 60/317,828
; PRIOR FILING DATE: 2001-09-07
; PRIOR APPLICATION NUMBER: US 60/325,150
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US 60/333,047
; PRIOR FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: US 60/349,936
; PRIOR FILING DATE: 2002-01-18
; PRIOR APPLICATION NUMBER: US 60/361,834
; PRIOR FILING DATE: 2002-03-04
; NUMBER OF SEQ ID NOS: 197
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 5
; LENGTH: 3513
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-10-175-523-5
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```
Query Match 57.5%; Score 18.4; DB 14; Length 3513;
Best Local Similarity 78.6%; Pred. No. 78;
Matches 22; Conservative 0; Mismatches 6; Indels 0; Gaps 0;
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Qy 4 ACTCGAGTGAATTTGCCAGCGGTGA 31
|||||
Db 1136 ACTCCAATGCAATGTGCACAGCGGTGA 1109
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RESULT 7

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US-10-175-523-102/c
; Sequence 102, Application US/10175523
; Publication No. US20030096264A1
; GENERAL INFORMATION:
; APPLICANT: Brockman, Jeffrey
; APPLICANT: Evans, David
; APPLICANT: Hook, Derek
; APPLICANT: Klimczak, Leszek
; APPLICANT: Laeng, Pascal
; APPLICANT: Palfreyman, Michael
; APPLICANT: Rajan, Prithi
```


; TITLE OF INVENTION: MULTI-PARAMETER HIGH THROUGHPUT SCREENING ASSAYS (MPHTS)

; FILE REFERENCE: 3235/1J795-US3

; CURRENT APPLICATION NUMBER: US/10/175,523

; CURRENT FILING DATE: 2002-06-18

; PRIOR APPLICATION NUMBER: US 60/299,151

; PRIOR FILING DATE: 2001-06-18

; PRIOR APPLICATION NUMBER: US 60/317,828

; PRIOR FILING DATE: 2001-09-07

; PRIOR APPLICATION NUMBER: US 60/325,150

; PRIOR FILING DATE: 2001-09-25

; PRIOR APPLICATION NUMBER: US 60/333,047

; PRIOR FILING DATE: 2001-11-14

; PRIOR APPLICATION NUMBER: US 60/349,936

; PRIOR FILING DATE: 2002-01-18

; PRIOR APPLICATION NUMBER: US 60/361,834

; PRIOR FILING DATE: 2002-03-04

; NUMBER OF SEQ ID NOS: 197

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 102

; LENGTH: 3513

; TYPE: DNA

; ORGANISM: Rattus norvegicus

; US-10-175-523-102

Query Match 57.5%; Score 18.4; DB 14; Length 3513;

Best Local Similarity 78.6%; Pred. No. 78;

Matches 22; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 4 ACTCGAGTGAATTTGCCAGCGGTGAA 31

|||||

Db 1136 ACTCCAATGCAATGTGCACAGCGGTGAA 1109

|||||

RESULT 8

US-09-796-692-7812

; Sequence 7812, Application US/09796692

; Publication No. US20020198362A1

; GENERAL INFORMATION:

; APPLICANT: Gaiger, Alexander

; APPLICANT: Algate, Paul A.

; APPLICANT: Mannion, Jane

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DETECTION, DIAGNOSIS AND THERAPY

; FILE REFERENCE: 2077.001200

; CURRENT APPLICATION NUMBER: US/09/796,692

; CURRENT FILING DATE: 2001-03-01

; PRIOR APPLICATION NUMBER: 60/186,126

; PRIOR FILING DATE: 2000-03-01

; PRIOR APPLICATION NUMBER: 60/190,479

; PRIOR FILING DATE: 2000-03-17

; PRIOR APPLICATION NUMBER: 60/200,545

; PRIOR FILING DATE: 2000-04-27

; PRIOR APPLICATION NUMBER: 60/200,303

; PRIOR FILING DATE: 2000-04-28

; PRIOR APPLICATION NUMBER: 60/200,779

; PRIOR FILING DATE: 2000-04-28

; PRIOR APPLICATION NUMBER: 60/200,999

; PRIOR FILING DATE: 2000-05-01

; PRIOR APPLICATION NUMBER: 60/202,084

; PRIOR FILING DATE: 2000-05-04

; PRIOR APPLICATION NUMBER: 60/206,201

; PRIOR FILING DATE: 2000-05-22

; PRIOR APPLICATION NUMBER: 60/218,950

; PRIOR FILING DATE: 2000-07-14

; PRIOR APPLICATION NUMBER: 60/222,903

; PRIOR FILING DATE: 2000-08-03

; PRIOR APPLICATION NUMBER: 60/223,416

; PRIOR FILING DATE: 2000-08-04

; PRIOR APPLICATION NUMBER: 60/223,378

; PRIOR FILING DATE: 2000-08-07

; NUMBER OF SEQ ID NOS: 9597

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 7812

; LENGTH: 415

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: unsure

; LOCATION: (10)

; OTHER INFORMATION: n=A,T,C or G

; FEATURE:

; LENGTH: 415

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: unsure

; LOCATION: (10)

; OTHER INFORMATION: n=A,T,C or G

; NAME/KEY: unsure

; LOCATION: (409)

; OTHER INFORMATION: n=A,T,C or G

; US-09-796-692-7812

Query Match 56.9%; Score 18.2; DB 10; Length 415;

Best Local Similarity 87.0%; Pred. No. 74;

Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 GGACTCGAGTGAATTTGCCCGAG 24

|||||

Db 41 GGAATCGAATGAGATTTGCCCGAG 63

|||||

RESULT 9

US-10-040-862-7812

; Sequence 7812, Application US/10040862

; Publication No. US20030078396A1

; GENERAL INFORMATION:

; APPLICANT: Gaiger, Alexander

; APPLICANT: Algate, Paul A.

; APPLICANT: Mannion, Jane

; APPLICANT: Retter, Marc

; APPLICANT: Corixa Corporation

; TITLE OF INVENTION: Compositions and Methods for the Detection, Diagnosis and Therapy

; FILE REFERENCE: 014058-013520US

; CURRENT APPLICATION NUMBER: US/10/040,862

; CURRENT FILING DATE: 2001-11-06

; PRIOR APPLICATION NUMBER: US 60/186,126

; PRIOR FILING DATE: 2000-03-01

; PRIOR APPLICATION NUMBER: US 60/190,479

; PRIOR FILING DATE: 2000-03-17

; PRIOR APPLICATION NUMBER: US 60/200,545

; PRIOR FILING DATE: 2000-04-27

; PRIOR APPLICATION NUMBER: US 60/200,303

; PRIOR FILING DATE: 2000-04-28

; PRIOR APPLICATION NUMBER: US 60/200,779

; PRIOR FILING DATE: 2000-04-28

; PRIOR APPLICATION NUMBER: US 60/200,999

; PRIOR FILING DATE: 2000-05-01

; PRIOR APPLICATION NUMBER: US 60/202,084

; PRIOR FILING DATE: 2000-05-04

; PRIOR APPLICATION NUMBER: US 60/206,201

; PRIOR FILING DATE: 2000-05-22

; PRIOR APPLICATION NUMBER: US 60/218,950

; PRIOR FILING DATE: 2000-07-14

; PRIOR APPLICATION NUMBER: US 60/222,903

; PRIOR FILING DATE: 2000-08-03

; PRIOR APPLICATION NUMBER: US 60/223,416

; PRIOR FILING DATE: 2000-08-04

; PRIOR APPLICATION NUMBER: US 60/223,378

; PRIOR FILING DATE: 2000-08-07

; PRIOR APPLICATION NUMBER: US 09/796,692

; PRIOR FILING DATE: 2001-03-01

; NUMBER OF SEQ ID NOS: 10467

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 7812

; LENGTH: 415

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: unsure

; LOCATION: (10)

; OTHER INFORMATION: n=A,T,C or G

; FEATURE:

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; NAME/KEY: unsure
; LOCATION: (409)
; OTHER INFORMATION: n=A,T,C or G
US-10-040-862-7812

Query Match          56.9%; Score 18.2; DB 14; Length 415;
Best Local Similarity 87.0%; Pred. No. 74;
Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 2 GGACTCGAGTGAATTTGCCCGAG 24
Db 41 GGAATCGAATGAGATTGGCCCGAG 63

RESULT 10
US-09-796-692-8248
; Sequence 8248, Application US/09796692
; Publication No. US20020198362A1
; GENERAL INFORMATION:
; APPLICANT: Gaiger, Alexander
; APPLICANT: Algate, Paul A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DETECTION, DIAGNOSIS AND THERAPY
; FILE OF INVENTION: HEMATOLOGICAL MALIGNANCIES
; FILE REFERENCE: 2077.001200
; CURRENT APPLICATION NUMBER: US/09/796.692
; CURRENT FILING DATE: 2001-03-01
; PRIOR APPLICATION NUMBER: 60/186,126
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 60/190,479
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: 60/200,545
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: 60/200,303
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 60/200,779
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 60/200,999
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: 60/202,084
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: 60/206,201
; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: 60/218,950
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: 60/222,903
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: 60/223,416
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: 60/223,378
; PRIOR FILING DATE: 2000-08-07
; PRIOR APPLICATION NUMBER: 60/223,378
; PRIOR FILING DATE: 2000-08-07
; NUMBER OF SEQ ID NOS: 9597
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 8248
; LENGTH: 510
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (32)
; OTHER INFORMATION: n=A,T,C or G
; NAME/KEY: unsure
; LOCATION: (77)
; OTHER INFORMATION: n=A,T,C or G
; NAME/KEY: unsure
; LOCATION: (101)
; OTHER INFORMATION: n=A,T,C or G
; NAME/KEY: unsure
; LOCATION: (115)
; OTHER INFORMATION: n=A,T,C or G
; NAME/KEY: unsure
; LOCATION: (186)
; OTHER INFORMATION: n=A,T,C or G
```

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; NAME/KEY: unsure
; LOCATION: (239)
; OTHER INFORMATION: n=A,T,C or G
; NAME/KEY: unsure
; LOCATION: (250)
; OTHER INFORMATION: n=A,T,C or G
; NAME/KEY: unsure
; LOCATION: (291)
; OTHER INFORMATION: n=A,T,C or G
; NAME/KEY: unsure
; LOCATION: (426)
; OTHER INFORMATION: n=A,T,C or G
; NAME/KEY: unsure
; LOCATION: (465)
; OTHER INFORMATION: n=A,T,C or G
; NAME/KEY: unsure
; LOCATION: (483)
; OTHER INFORMATION: n=A,T,C or G
US-09-796-692-8248

Query Match          56.9%; Score 18.2; DB 10; Length 510;
Best Local Similarity 87.0%; Pred. No. 76;
Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 2 GGACTCGAGTGAATTTGCCCGAG 24
Db 41 GGAATCGAATGAGATTGGCCCGAG 63

RESULT 11
US-10-040-862-8248
; Sequence 8248, Application US/10040862
; Publication No. US20030078396A1
; GENERAL INFORMATION:
; APPLICANT: Gaiger, Alexander
; APPLICANT: Algate, Paul A.
; APPLICANT: Mannion, Jane
; APPLICANT: Retter, Marc
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Compositions and Methods for the Detection, Diagnosis and Therapy
; FILE OF INVENTION: Hematological Malignancies
; FILE REFERENCE: 014058-013520US
; CURRENT APPLICATION NUMBER: US/10/040,862
; CURRENT FILING DATE: 2001-11-06
; PRIOR APPLICATION NUMBER: US 60/186,126
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: US 60/190,479
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: US 60/200,545
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: US 60/200,303
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,779
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,999
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: US 60/202,084
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: US 60/206,201
; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: US 60/218,950
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: US 60/222,903
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: US 60/223,416
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: US 60/223,378
; PRIOR FILING DATE: 2000-08-07
; PRIOR APPLICATION NUMBER: US 09/796,692
; PRIOR FILING DATE: 2001-03-01
; NUMBER OF SEQ ID NOS: 10467
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 8248
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; LENGTH: 510
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: 'unsure'
; LOCATION: (32)
; OTHER INFORMATION: n=A,T,C or G
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (77)
; OTHER INFORMATION: n=A,T,C or G
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (101)
; OTHER INFORMATION: n=A,T,C or G
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (115)
; OTHER INFORMATION: n=A,T,C or G
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (186)
; OTHER INFORMATION: n=A,T,C or G
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (239)
; OTHER INFORMATION: n=A,T,C or G
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (250)
; OTHER INFORMATION: n=A,T,C or G
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (291)
; OTHER INFORMATION: n=A,T,C or G
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (426)
; OTHER INFORMATION: n=A,T,C or G
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (465)
; OTHER INFORMATION: n=A,T,C or G
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (483)
; OTHER INFORMATION: n=A,T,C or G
; US-10-040-862-8248

```

Query Match 56.9%; Score 18.2; DB 14; Length 510;
 Best Local Similarity 87.0%; Pred. No. 76;
 Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```

Qy 2 GGACTCGAGTGAATTTGCCCG 24
Db 41 GGAATCGAATGAGATTGCCCG 63

```

```

RESULT 12
; Sequence 8185, Application US/09796692
; Publication No. US20020198362A1
; GENERAL INFORMATION:
; APPLICANT: Gaiger, Alexander
; APPLICANT: Mannion, Jane
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DETECTION, DIAGNOSIS AND THERAPY
; FILE REFERENCE: 2077.001200
; CURRENT APPLICATION NUMBER: US/09796.692
; CURRENT FILING DATE: 2001-03-01
; PRIOR APPLICATION NUMBER: 60/186,126
; PRIOR FILING DATE: 2000-03-01

```

```

; PRIOR APPLICATION NUMBER: 60/190,479
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: 60/200,545
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: 60/200,303
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 60/200,779
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 60/200,999
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: 60/202,084
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: 60/206,201
; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: 60/218,950
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: 60/222,903
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: 60/223,416
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: 60/223,378
; PRIOR FILING DATE: 2000-08-07
; NUMBER OF SEQ ID NOS: 9597
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 8185
; LENGTH: 514
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (403)
; OTHER INFORMATION: n=A,T,C or G
; US-09-796-692-8185

```

Query Match 56.9%; Score 18.2; DB 10; Length 514;
 Best Local Similarity 87.0%; Pred. No. 76;
 Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```

Qy 2 GGACTCGAGTGAATTTGCCCG 24
Db 474 GGAATCGAATGAGATTGCCCG 452

```

```

RESULT 13
; US-10-040-862-8185/c
; Sequence 8185, Application US/10040862
; Publication No. US20030078396A1
; GENERAL INFORMATION:
; APPLICANT: Gaiger, Alexander
; APPLICANT: Algate, Paul A.
; APPLICANT: Mannion, Jane
; APPLICANT: Retter, Marc
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Compositions and Methods for the Detection, Diagnosis and Therapy
; FILE REFERENCE: 014058-013520US
; CURRENT APPLICATION NUMBER: US/10/040,862
; CURRENT FILING DATE: 2001-11-06
; PRIOR APPLICATION NUMBER: US 60/186,126
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: US 60/190,479
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: US 60/200,545
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: US 60/200,303
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,779
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,999
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: US 60/202,084
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: US 60/206,201

```

; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: US 60/218,950
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: US 60/222,903
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: US 60/223,416
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: US 60/223,378
; PRIOR FILING DATE: 2000-08-07
; PRIOR APPLICATION NUMBER: US 09/796,692
; PRIOR FILING DATE: 2001-03-01
; NUMBER OF SEQ ID NOS: 10467
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 8185
; LENGTH: 514
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (403)
; OTHER INFORMATION: n=A,T,C or G
US-10-040-862-8185

Query Match 56.9%; Score 18.2; DB 14; Length 514;
Best Local Similarity 87.0%; Pred. No. 76;
Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 2 GGACTCGAGTGAATTTGCCCGAG 24
||| |||| ||| |||| |||| ||||
Db 474 GGAATCGAATGAGATTTGCCCGAG 452

RESULT 14

US-10-238-075-324/c
; Sequence 324, Application US/10238075
; Publication No. US20030148324A1
; GENERAL INFORMATION:

; APPLICANT: I. N. S. E. R. M.
; TITLE OF INVENTION: Polynucleotides which are of nature B2/D+ A- and which are isolat
; FILE REFERENCE: BLANDINE
; CURRENT APPLICATION NUMBER: US/10/238,075
; PRIOR FILING DATE: 2002-09-10
; PRIOR APPLICATION NUMBER: 0003145
; PRIOR FILING DATE: 2000-03-10
; NUMBER OF SEQ ID NOS: 1576
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 324
; LENGTH: 1557
; TYPE: DNA
; ORGANISM: Escherichia coli
US-10-238-075-324

Query Match 56.9%; Score 18.2; DB 12; Length 1557;
Best Local Similarity 87.0%; Pred. No. 88;
Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 9 AGTGAAATTTGCCCGAGCGGTGAA 31
||||| ||||| ||||| ||||| |||||
Db 177 AGTGATATTTGCCCGAGCGCCAA 155

RESULT 15

US-09-809-391-160
; Sequence 160, Application US/09809391
; Publication No. US20030049618A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: 186 Human Secreted proteins
; FILE REFERENCE: P2002P2
; CURRENT APPLICATION NUMBER: US/09/809,391
; CURRENT FILING DATE: 2001-03-16
; Prior application data removed - consult PALM or file wrapper

; NUMBER OF SEQ ID NOS: 761
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 160
; LENGTH: 2120
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (975)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (1405)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (2120)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-809-391-160

Query Match 56.9%; Score 18.2; DB 11; Length 2120;
Best Local Similarity 87.0%; Pred. No. 92;
Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 2 GGACTCGAGTGAATTTGCCCGAG 24
||| |||| ||| |||| |||| ||||
Db 600 GGAATCGAATGAGATTTGCCCGAG 622

Search completed: August 28, 2003, 19:15:13
Job time : 117.349 secs


```

; GENERAL INFORMATION:
; APPLICANT: Meagher, Madeleine
; APPLICANT: Xu, Jiangchun
; APPLICANT: King, Gordon E.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.504
; CURRENT APPLICATION NUMBER: US/09/815,343
; CURRENT FILING DATE: 2001-03-22
; NUMBER OF SEQ ID NOS: 1556
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1366
; LENGTH: 211
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-815-343-1366

Query Match      73.6%; Score 20.6; DB 9; Length 211;
Best Local Similarity 85.2%; Pred. No. 18;
Matches 23; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 GGGCTGCAGTCAAGATGCGGAAAC 27
Db 78 GCGCTGCTGCTCAGATGAGGAAAC 104

RESULT 3
US-08-464-363-5
; Sequence 5, Application US/08464363
; Publication No. US20030035815A1
; GENERAL INFORMATION:
; APPLICANT: Rogers, Bruce L.
; APPLICANT: Morgenstern, Jay
; APPLICANT: Bond, Julian F.
; APPLICANT: Garman, Richard D.
; APPLICANT: Greenstein, Julia L.
; APPLICANT: Kuo, Mei-chang
; APPLICANT: Morville, Malcolm
; TITLE OF INVENTION: RECOMBITOPE PEPTIDES
; NUMBER OF SEQUENCES: 76
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lahive & Cockfield
; STREET: 60 State Street, Suite 510
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII TEXT
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/464,363
; FILING DATE: 05-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/807,529
; FILING DATE: 13-DEC-1991
; APPLICATION NUMBER: US 07/662,276
; FILING DATE: 28-FEB-1991
; APPLICATION NUMBER: US 07/431,565
; FILING DATE: 03-NOV-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Amy E. Mandragoras
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: IMI-015CN
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 485 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single

```

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; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 8..337
; FEATURE:
; NAME/KEY: mat_peptide
; LOCATION: 59..337
US-08-464-363-5

Query Match      73.6%; Score 20.6; DB 8; Length 485;
Best Local Similarity 85.2%; Pred. No. 18;
Matches 23; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 2 GGGCTGCAGTCAAGATGCGGAAACT 28
Db 50 GCGCTGGCGTCAAGATGCGGAAACT 76

RESULT 4
US-10-027-632-289461
; Sequence 289461, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 289461
; LENGTH: 632
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-289461

Query Match      73.6%; Score 20.6; DB 13; Length 632;
Best Local Similarity 85.2%; Pred. No. 18;
Matches 23; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 2 GGGCTGCAGTCAAGATGCGGAAACT 28
Db 389 GGGCTGCAGTCAAGCTGTGGGAACT 415

RESULT 5
US-10-027-632-289463
; Sequence 289463, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676

```

RESULT 7
US-09-925-299-40
; Sequence 40, Application US/09925299
; Patent No. US20020055627A1

RESULT 9
US-09-815-242-7715
; Sequence 7715, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
; APPLICANT: Hasebebeck, Robert
; APPLICANT: Ohlsen, Kari L.
; APPLICANT: Zyskind, Judith W.
; APPLICANT: Walli, Daniel
; APPLICANT: Trawick, John D.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of
; TITLE OF INVENTION: Prokaryotes

FILE REFERENCE: ELITRA.011A
; CURRENT APPLICATION NUMBER: US/09/815,242
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 14110
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7715
; LENGTH: 705
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(705)
US-09-815-242-7715

Query Match 68.6%; Score 19.2; DB 9; Length 705;
Best Local Similarity 87.5%; Pred. No. 72;
Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GGGCTCAGGTCAGATGCGGA 24
DB 426 GGAGCTCAGGTCAGGTCGCGA 449

RESULT 10
US-10-027-632-19850/c
; Sequence 19850, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; POLYMORPHISMS in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 19850
; LENGTH: 701
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-19850

Query Match 66.4%; Score 18.6; DB 13; Length 701;
Best Local Similarity 84.0%; Pred. No. 1.3e+02;
Matches 21; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 GGGGCTGCAGGTCAGATGCGGAA 25
DB 372 GGGGCTGCAGGTCAGGTCGAAGAA 348

RESULT 11
US-10-216-163-53
; Sequence 53, Application US/10216163
; Publication No. US20030149239A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; ACIDS ENCODING THE SAME
; FILE REFERENCE: P3530PIC3
; CURRENT APPLICATION NUMBER: US/10/216,163
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 53
; LENGTH: 1664
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-216-163-53

Query Match 66.4%; Score 18.6; DB 12; Length 1664;
Best Local Similarity 84.0%; Pred. No. 1.3e+02;
Matches 21; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 GGGGCTGCAGGTCAGATGCGGAA 25
DB 728 GGGGCTGCAGGTCAGGTCGAAGAA 752

RESULT 12
US-10-227-884-53
; Sequence 53, Application US/10227884
; Publication No. US20030027988A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.

INVENTOR: HUGO WILLIAM I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

```

; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 60/126773
; PRIOR FILING DATE: 1999-03-29
; PRIOR APPLICATION NUMBER: 60/127887
; PRIOR FILING DATE: 1999-04-05
; PRIOR APPLICATION NUMBER: 60/130232
; PRIOR FILING DATE: 1999-04-21
; PRIOR APPLICATION NUMBER: 60/131022
; PRIOR FILING DATE: 1999-04-26
; PRIOR APPLICATION NUMBER: 60/131270
; PRIOR FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/131291
; PRIOR FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/131445
; PRIOR FILING DATE: 1999-04-28
; PRIOR APPLICATION NUMBER: 60/134287
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: 60/140650
; PRIOR FILING DATE: 1999-06-22
; PRIOR APPLICATION NUMBER: 60/140723
; PRIOR FILING DATE: 1999-06-22
; PRIOR APPLICATION NUMBER: 60/141037
; PRIOR FILING DATE: 1999-06-23
; PRIOR APPLICATION NUMBER: 60/144758
; PRIOR FILING DATE: 1999-07-20
; PRIOR APPLICATION NUMBER: 60/145698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: 60/146222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: 60/146963
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: 60/149320
; PRIOR FILING DATE: 1999-08-17
; PRIOR APPLICATION NUMBER: 60/149638
; PRIOR FILING DATE: 1999-08-17
; PRIOR APPLICATION NUMBER: 60/151733
; PRIOR FILING DATE: 1999-08-31
; PRIOR APPLICATION NUMBER: 60/154418
; PRIOR FILING DATE: 1999-11-09
; PRIOR APPLICATION NUMBER: 60/156361
; PRIOR FILING DATE: 1999-11-16
; PRIOR APPLICATION NUMBER: 60/169445
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169495
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169835

Query Match 66.4% Score 18.6; DB 14; Length 1664;
Best Local Similarity 84.08; Pred. No. 1.3e+02;
Matches 21; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 GGGGCTCAGGTCAAGTGGCGAA 25
    |||||
Db 728 GGGGCTCAGGTCTAGGTGAAGAA 752

RESULT 13
US-10-230-163-53
; Sequence 53, Application US/10230163
; Publication No. US20030036635A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530PIC96
; CURRENT APPLICATION NUMBER: US/10/230,163
; CURRENT FILING DATE: 2002-08-28
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/081819
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081955
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/082804
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/084441
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/085323
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/086392
; PRIOR FILING DATE: 1998-05-22
; PRIOR APPLICATION NUMBER: 60/089532
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089905
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/090472
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090557
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090691
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090695
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/095302
; PRIOR FILING DATE: 1998-08-04
; PRIOR APPLICATION NUMBER: 60/095318
; PRIOR FILING DATE: 1998-08-04
; PRIOR APPLICATION NUMBER: 60/095916
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Best Local Similarity 84.0%; Pred. No. 1.3e+02;
Matches 21; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 GGGGCTGCAGGTCAAGATGGCGGAA 25
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; Publication No. US2003004934A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3530PIC92
; CURRENT APPLICATION NUMBER: US/10/230,338
; CURRENT FILING DATE: 2002-08-28
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113

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; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
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; PRIOR FILING DATE: 1998-03-27
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; ORGANISM: Homo Sapien
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; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530F1C14
; CURRENT APPLICATION NUMBER: US/10/218,631
; CURRENT FILING DATE: 2002-08-12
; PRIOR APPLICATION NUMBER: 10/119,480
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; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
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GenCore version 5.1.6
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: August 28, 2003, 05:43:06 ; Search time 182.14 Seconds
(without alignments)
489.084 Million cell updates/sec

Title: US-10-054-444-4

Perfect score: 33
Sequence: 1 gttgtcagcagcgccgtctctcccaagtggt 33

Scoring table: IDENTITY_NUC

Gapop 10_0 , Gapext 1.0

Searched: 2552756 seqs, 1349719017 residues

Total number of hits satisfying chosen parameters: 5105512

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	33	100.0	33	21	Reverse PCR primer
2	21.4	64.8	394	22	Human cDNA encodin
3	20	60.6	1550	22	Human transcriptio
C 4	19.4	58.8	567	22	Human CASB765 CDNA
C 5	19.4	58.8	1050	24	Listeria monocytog
C 6	19.4	58.8	1256	22	Human CASB765 CDNA
C 7	19.4	58.8	1945	22	Human zinc finger
8	19.4	58.8	2086	22	Human novel polype

9	19.4	58.8	2086	22	AAS12522	Gene #15 encoding
10	19.4	58.8	2086	25	ABQ77259	Human gonadotropin
C 11	19.4	58.8	3642	23	AAS85083	DNA encoding novel
C 12	19.2	58.2	550	22	AAL02410	Human reproductive
C 13	19.2	58.2	1698	23	AAS79701	DNA encoding novel
C 14	19.2	58.2	2957	23	AAS92281	DNA encoding novel
C 15	19.2	58.2	4114	23	AAS77062	DNA encoding novel
16	19.2	58.2	10835	22	AAK79845	Human immune/haema
17	19.2	58.2	14333	22	AAK79846	Human immune/haema
18	19.2	57.6	3305	23	ABL11137	Drosophila melanog
19	19.2	57.6	5001	23	ABL11634	Drosophila melanog
20	19.2	57.6	5413	23	ABL11136	Drosophila melanog
21	19.2	57.6	43069	21	AAS36335	Genomic sequence o
C 22	18.8	57.0	50	24	ABK53105	HIV-1 gag gene spe
C 23	18.8	57.0	50	24	AAL45467	HIV-1 gag amplifi
C 24	18.8	57.0	660	24	ABS55139	Human cDNA encodin
C 25	18.6	56.4	535	22	AAH10107	Human cDNA clone (
C 26	18.6	56.4	791	24	ABS61507	Prostate specific
27	18.6	56.4	1929	22	AAH15548	Human cDNA sequenc
28	18.6	56.4	2145	23	AAS15727	DNA encoding sulfa
29	18.6	56.4	2558	22	AAK82696	Human immune/haema
30	18.6	56.4	2558	22	AAK82697	Human immune/haema
31	18.6	56.4	2558	22	AAK82698	Human immune/haema
32	18.6	56.4	2600	24	AAD33658	Human TRICH-13 CDN
33	18.6	56.4	3435	24	AAL44757	Human transporter
C 34	18.6	56.4	4351	24	ABS61508	Prostate specific
C 35	18.6	56.4	6911	22	AAK69352	Human immune/haema
C 36	18.6	56.4	6911	22	AAK82578	Human immune/haema
C 37	18.6	56.4	6969	24	ABN86587	Human MCSP protein
C 38	18.6	56.4	7918	18	AAH60450	Melanoma-associate
C 39	18.6	56.4	8570	22	AAH57889	Human polynucleoti
C 40	18.6	56.4	8689	22	AAH59675	Human polynucleoti
C 41	18.6	56.4	8868	24	AAL44758	Human transporter
C 42	18.6	56.4	9472	14	AAQ33282	Korean hepatitis C
C 43	18.4	55.8	410	25	ABX53009	Bovine EST associa
C 44	18.4	55.8	411	25	ABX32005	Bovine EST associa
C 45	18.4	55.8	615	24	ABT10557	Human breast canc

ALIGNMENTS

RESULT 1
AAA15744
ID AAA15744 standard; DNA; 33 BP.

XX AAA15744;

AC AAA15744;

XX 15-AUG-2000 (first entry)

Reverse PCR primer used to clone chain 2 of Fel d1 into pCR2.1.

PCR primer; cat allergen; Fel d1; recombinant Fel d1 antigen; diagnosis;

KW protect; allergy; H22; anti-CD64 antibody; chain 2; ss.

XX Felis sp.

XX WO200020032-A1.

PD 13-APR-2000.

XX 05-OCT-1999; 99WO-US23251.

XX 06-OCT-1998; 98US-0103284.

XX (DART-) DARTMOUTH COLLEGE.

PA (MEDA-) MEDAREX INC.

XX Guyre PM, Goldstein JJ, Wu Z, Sun W;

XX WPI; 2000-303643/26.

PT Baculovirus composition for diagnosis of and protection against a cat

PT allergy in humans comprises recombinant Fel d1 -

XX PS Example 1; Page 4; 15pp; English.

XX CC This sequence represents a PCR primer used to clone the cat allergen Fel
CC d1 chain 2 nucleotide sequence into plasmid pCR2.1. Fel d1 is the major
CC allergen from cats, and consists of two polypeptide chains, chain 1 and
CC chain 2 which are normally linked by a disulfide bond. The PCR product is
CC used in the generation of a recombinant Fel d1 antigen in which the two
CC chains are expressed in series, linked together by a glycine/serine
CC linker, and targeted to CD64 through linkage to the sfv of monoclonal
CC antibody (Mab) H22. Mab H22 is a humanised anti-CD64 antibody. The
CC inclusion of the H22 sfv targets the fusion protein to monocytes and
CC dendritic cells. The invention relates to the expression of the
CC recombinant Fel d1 cat allergen, and its use in a method for diagnosing
CC a human with cat allergy. The administration of a composition comprising
CC the baculovirus expressed recombinant Fel d1 allergen can be used to
CC protect against cat allergy in a human. Expressing recombinant Fel d1 in
CC a baculovirus improves its immunoreactivity for immunoglobulins E and G.

XX SQ Sequence 33 BP; 5 A; 11 C; 9 G; 8 T; 0 other;

Query Match 100.0%; Score 33; DB 21; Length 33;

Best Local Similarity 100.0%; Pred. No. 0.00056;

Matches 33; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GTGTCTCAGCAGCGCGCTCTCCCAAGTGT 33

Db 1 GTGTCTCAGCAGCGCGCTCTCCCAAGTGT 33

RESULT 2

AAS33712

ID AAS33712 standard; cDNA; 394 BP.

XX AC AAS33712;

XX DT 17-DEC-2001 (first entry)

XX DE Human cDNA encoding a novel foetal antigen, SEQ ID No 236.

XX KW Human; foetal tissue antigen; ss; antiinflammatory; neuroprotective;
KW immunomodulator; cardiovascular; cytostatic; nephrothropic;
KW cardiovascular; autoimmune disease; rheumatoid arthritis;
KW hyperproliferative disorder; breast neoplasm; cancer;
KW cardiovascular disorder; cardiac arrest; cerebrovascular disorder;
KW cerebral ischaemia; angiogenesis; nervous system disorder;
KW Alzheimer's disease; infection; ocular disorder; corneal infection;
KW wound healing; epithelial cell proliferation; food additive.

XX OS Homo sapiens.

XX XX WO20015312-A2.

XX PD 02-AUG-2001.

XX PF 17-JAN-2001; 2001WO-US01321.

XX PR 31-JAN-2000; 2000US-0179065.

PR 04-FEB-2000; 2000US-0180628.

PR 24-FEB-2000; 2000US-0184664.

PR 02-MAR-2000; 2000US-0186350.

PR 16-MAR-2000; 2000US-0189874.

PR 17-MAR-2000; 2000US-0190076.

PR 18-APR-2000; 2000US-0198123.

PR 19-MAY-2000; 2000US-0205515.

PR 07-JUN-2000; 2000US-0209467.

PR 28-JUN-2000; 2000US-0214896.

PR 30-JUN-2000; 2000US-0215135.

PR 07-JUL-2000; 2000US-0216647.

PR 07-JUL-2000; 2000US-0216880.

PR 11-JUL-2000; 2000US-0217487.

PR 11-JUL-2000; 2000US-0217496.

PR 14-JUL-2000; 2000US-0218290.
PR 26-JUL-2000; 2000US-0220963.
PR 26-JUL-2000; 2000US-0220964.
PR 14-AUG-2000; 2000US-0224518.
PR 14-AUG-2000; 2000US-0224519.
PR 14-AUG-2000; 2000US-0225213.
PR 14-AUG-2000; 2000US-0225214.
PR 14-AUG-2000; 2000US-0225266.
PR 14-AUG-2000; 2000US-0225267.
PR 14-AUG-2000; 2000US-0225268.
PR 14-AUG-2000; 2000US-0225270.
PR 14-AUG-2000; 2000US-0225447.
PR 14-AUG-2000; 2000US-0225757.
PR 14-AUG-2000; 2000US-0225758.
PR 18-AUG-2000; 2000US-0226279.
PR 22-AUG-2000; 2000US-0226681.
PR 22-AUG-2000; 2000US-0226688.
PR 22-AUG-2000; 2000US-0227182.
PR 23-AUG-2000; 2000US-0227009.
PR 30-AUG-2000; 2000US-0228924.
PR 01-SEP-2000; 2000US-0229287.
PR 01-SEP-2000; 2000US-0229343.
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PR 05-SEP-2000; 2000US-0229509.
PR 05-SEP-2000; 2000US-0229513.
PR 06-SEP-2000; 2000US-0230437.
PR 06-SEP-2000; 2000US-0230438.
PR 08-SEP-2000; 2000US-0231242.
PR 08-SEP-2000; 2000US-0231243.
PR 08-SEP-2000; 2000US-0231244.
PR 08-SEP-2000; 2000US-0231413.
PR 08-SEP-2000; 2000US-0231414.
PR 08-SEP-2000; 2000US-0232080.
PR 12-SEP-2000; 2000US-0232081.
PR 14-SEP-2000; 2000US-0232397.
PR 14-SEP-2000; 2000US-0232398.
PR 14-SEP-2000; 2000US-0232399.
PR 14-SEP-2000; 2000US-0232400.
PR 14-SEP-2000; 2000US-0232401.
PR 14-SEP-2000; 2000US-0233063.
PR 14-SEP-2000; 2000US-0233064.
PR 14-SEP-2000; 2000US-0233065.
PR 21-SEP-2000; 2000US-0234223.
PR 21-SEP-2000; 2000US-0234274.
PR 25-SEP-2000; 2000US-0234997.
PR 25-SEP-2000; 2000US-0234998.
PR 26-SEP-2000; 2000US-0235484.
PR 27-SEP-2000; 2000US-0235834.
PR 27-SEP-2000; 2000US-0235836.
PR 29-SEP-2000; 2000US-0236327.
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PR 29-SEP-2000; 2000US-0236369.
PR 29-SEP-2000; 2000US-0236370.
PR 02-OCT-2000; 2000US-0236802.
PR 02-OCT-2000; 2000US-0237037.
PR 02-OCT-2000; 2000US-0237038.
PR 02-OCT-2000; 2000US-0237039.
PR 02-OCT-2000; 2000US-0237040.
PR 13-OCT-2000; 2000US-0239335.
PR 13-OCT-2000; 2000US-0239337.
PR 20-OCT-2000; 2000US-0240960.
PR 20-OCT-2000; 2000US-0241221.
PR 20-OCT-2000; 2000US-0241785.
PR 20-OCT-2000; 2000US-0241786.
PR 20-OCT-2000; 2000US-0241787.
PR 20-OCT-2000; 2000US-0241808.
PR 20-OCT-2000; 2000US-0241809.
PR 20-OCT-2000; 2000US-0241826.
PR 01-NOV-2000; 2000US-0244617.

100

The invention relates to novel nucleic acids encoding novel human foetal antigens. The nucleic acids and proteins are used to prevent, treat (e.g. by gene therapy) or ameliorate a medical condition in e.g. humans, mice, rabbits, goats, horses, cats, dogs, chickens or sheep. They are also used in diagnosing a pathological condition or susceptibility to a pathological condition. The antibodies to the antigens can also be used in alleviating symptoms associated with the disorders and in diagnostic immunoassays e.g. radioimmunoassays or enzyme linked immunosorbent assays (ELISA). Disorders which are diagnosed or treated include autoimmune diseases e.g. rheumatoid arthritis,

XX	
DT	16-OCT-2001 (first entry)
XX	
DE	Human CASB765 cDNA.

XX	Human; CASB765; tumour; immunogen; cancer; colorectal; lung; preneoplastic lesion; colon; autoimmune disease; cytostatic; vaccine; gene therapy; ss.
OS	Homo sapiens.
XX	
FH	Key Location/Qualifiers
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FT	/product= "CASB765"
FT	/transl_except= (pos:220..222, aa:Xaa)
FT	/note= "Xaa is an unknown amino acid"
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PN	WO200157077-A1.
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PD	09-AUG-2001.
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PF	30-JAN-2001; 2001WO-GB00372.
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PR	02-FEB-2000; 2000GB-0002402.
XX	
PA	(SMIK) SMITHKLINE BEECHAM BIOLOGICALS.
PA	(SMIK) SMITHKLINE BEECHAM PLC.
XX	
PI	Gaulis SRJ, Larminie CGC, Vinals De Bassols YC;
XX	
DR	WPI; 2001-488867/53.
DR	P-PSDB; AAE06730.
XX	
PT	Novel CASB765 polypeptide, used to treat or diagnose colorectal or lung cancer, or preneoplastic lesions of lung or colon -
XX	
PS	Claim 13; Page 64; 88pp; English.
CC	The present sequence is a cDNA encoding human CASB765 protein which is specifically expressed or over-expressed in tumours. The CASB765 polypeptide serves as immunogen for tumours. The CASB765 polynucleotide and polypeptide are used for diagnosis, in vaccine composition for prophylactic and therapeutic treatment of cancers, especially colorectal and lung cancer, preneoplastic lesions of lung and colon, and autoimmune diseases.
XX	
SQ	Sequence 1256 BP; 229 A; 371 C; 363 G; 290 T; 3 other;
	Query Match 58.8%; Score 19.4; DB 22; Length 1256;
	Best Local Similarity 95.2%; Pred. No. 2.6e+02;
	Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY	6 CAGCGCGGCGCTCTCCCCA 26 782 CAGCGCGGCGCTCTCCCCA 762
Db	
RESULT 7	
ID	ABA04998/c
ID	ABA04998 standard; cDNA; 1945 BP.
XX	
AC	ABA04998;
XX	
DT	04-MAR-2002 (first entry)
XX	
DE	Human zinc finger protein 15 coding sequence.
XX	
KW	Human; zinc finger protein 15; tumour; haemopathy; HIV infection; immune disease; inflammation; cytostatic; immunomodulatory; gene therapy; haemostatic; virucide; antiinflammatory; ss.
XX	
OS	Homo sapiens.
XX	
FH	Key Location/Qualifiers
FT	CDS 1058..1480
FT	/tag= a
FT	

XX	Human; CASB765; tumour; immunogen; cancer; colorectal; lung; preneoplastic lesion; colon; autoimmune disease; cytostatic; vaccine; gene therapy; ss.
OS	Homo sapiens.
XX	
FH	Key Location/Qualifiers
FT	CDS 1..936
FT	/tag= a
FT	/product= "CASB765"
FT	/transl_except= (pos:220..222, aa:Xaa)
FT	/note= "Xaa is an unknown amino acid"
XX	
PN	WO200157077-A1.
XX	
XX	
XX	
PD	09-AUG-2001.
XX	
PF	30-JAN-2001; 2001WO-GB00372.
XX	
PR	02-FEB-2000; 2000GB-0002402.
XX	
PA	(SMIK) SMITHKLINE BEECHAM BIOLOGICALS.
PA	(SMIK) SMITHKLINE BEECHAM PLC.
XX	
PI	Gaulis SRJ, Larminie CGC, Vinals De Bassols YC;
XX	
DR	WPI; 2001-488867/53.
DR	P-PSDB; AAE06730.
XX	
PT	Novel CASB765 polypeptide, used to treat or diagnose colorectal or lung cancer, or preneoplastic lesions of lung or colon -
XX	
PS	Claim 13; Page 64; 88pp; English.
CC	The present sequence is a cDNA encoding human CASB765 protein which is specifically expressed or over-expressed in tumours. The CASB765 polypeptide serves as immunogen for tumours. The CASB765 polynucleotide and polypeptide are used for diagnosis, in vaccine composition for prophylactic and therapeutic treatment of cancers, especially colorectal and lung cancer, preneoplastic lesions of lung and colon, and autoimmune diseases.
XX	
SQ	Sequence 1256 BP; 229 A; 371 C; 363 G; 290 T; 3 other;
	Query Match 58.8%; Score 19.4; DB 22; Length 1256;
	Best Local Similarity 95.2%; Pred. No. 2.6e+02;
	Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY	6 CAGCGCGGCGCTCTCCCCA 26 782 CAGCGCGGCGCTCTCCCCA 762
Db	
RESULT 7	
ID	ABA04998/c
ID	ABA04998 standard; cDNA; 1945 BP.
XX	
AC	ABA04998;
XX	
DT	04-MAR-2002 (first entry)
XX	
DE	Human zinc finger protein 15 coding sequence.
XX	
KW	Human; zinc finger protein 15; tumour; haemopathy; HIV infection; immune disease; inflammation; cytostatic; immunomodulatory; gene therapy; haemostatic; virucide; antiinflammatory; ss.
XX	
OS	Homo sapiens.
XX	
FH	Key Location/Qualifiers
FT	CDS 1058..1480
FT	/tag= a
FT	

FT	Human; CASB765; tumour; immunogen; cancer; colorectal; lung; preneoplastic lesion; colon; autoimmune disease; cytostatic; vaccine; gene therapy; ss.
OS	Homo sapiens.
XX	
FH	Key Location/Qualifiers
FT	CDS 1..936
FT	/tag= a
FT	/product= "CASB765"
FT	/transl_except= (pos:220..222, aa:Xaa)
FT	/note= "Xaa is an unknown amino acid"
XX	
PN	WO200157077-A1.
XX	
XX	
XX	
PD	09-AUG-2001.
XX	
PF	30-JAN-2001; 2001WO-GB00372.
XX	
PR	02-FEB-2000; 2000GB-0002402.
XX	
PA	(SMIK) SMITHKLINE BEECHAM BIOLOGICALS.
PA	(SMIK) SMITHKLINE BEECHAM PLC.
XX	
PI	Gaulis SRJ, Larminie CGC, Vinals De Bassols YC;
XX	
DR	WPI; 2001-488867/53.
DR	P-PSDB; AAE06730.
XX	
PT	Novel CASB765 polypeptide, used to treat or diagnose colorectal or lung cancer, or preneoplastic lesions of lung or colon -
XX	
PS	Claim 13; Page 64; 88pp; English.
CC	The present sequence is a cDNA encoding human CASB765 protein which is specifically expressed or over-expressed in tumours. The CASB765 polypeptide serves as immunogen for tumours. The CASB765 polynucleotide and polypeptide are used for diagnosis, in vaccine composition for prophylactic and therapeutic treatment of cancers, especially colorectal and lung cancer, preneoplastic lesions of lung and colon, and autoimmune diseases.
XX	
SQ	Sequence 1256 BP; 229 A; 371 C; 363 G; 290 T; 3 other;
	Query Match 58.8%; Score 19.4; DB 22; Length 1256;
	Best Local Similarity 95.2%; Pred. No. 2.6e+02;
	Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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PR 08-SEP-2000; 2000US-0231413.
PR 01-DEC-2000; 2000US-0250160.
PR 05-DEC-2000; 2000US-0251988.
PR 05-DEC-2000; 2000US-0256719.
PR 06-DEC-2000; 2000US-0251479.
PR 08-DEC-2000; 2000US-0251989.
XX (HUMA-) HUMAN GENOME SCI INC.
PA
XX Rosen CA, Barash SC, Ruben SM;
XX
XX WPI; 2001-476181/51.
DR P-PSDB; AAB85461.
XX
XX Novel proteins and nucleic acid molecules useful for diagnosis,
PT prevention, treatment of neural, immune system, muscular, reproductive,
PT pulmonary, cardiovascular, renal, proliferative disorders and cancerous
PT diseases -
XX
XX Claim 1; Page 4226-427; 431pp; English.
XX
XX The invention provides novel human polypeptides and polynucleotides
CC contained in clones HSDH12 and HSDH148 encoding them. They are useful
CC for diagnosis, prognosis, prevention and treatment of neurodegenerative
CC disorders, immune system disorders, autoimmune diseases, allergic
CC reactions, infectious diseases, hyperproliferative disorders, renal
CC disorders, cardiovascular disorders, cerebrovascular disorders,
CC respiratory disorders, endocrine disorders, gastrointestinal disorders
CC and also muscular, reproductive disorders and to enhance antiviral,
CC antifungal, antibacterial and antiparasitic immune responses (see
CC AAH46816 for a detailed description of the diseases). The compounds also
CC exhibit anti-angiogenic and chemotaxis activity, and also useful for
CC epithelial cell proliferation, tissue regeneration and treating wound
CC healing. The present sequence represents a human novel polypeptide
CC encoding cDNA.
XX
XX Sequence 2086 BP; 554 A; 440 C; 521 G; 571 T; 0 other;
SQ
Query Match 58.8%; Score 19.4; DB 22; Length 2086;
Best Local Similarity 79.3%; Pred. No. 2.7e+02;
Matches 23; Conservative 0; Mismatches 6; Indels 0; Gaps 0;
QY 3 TGTCAGCAGCGCGCTCTCCCAAGTG 31
DB 424 TGCCAGCAGCGCCATGCTCCCGAGGTG 452
XX
RESULT 9
AAS12522
ID AAS12522 standard; DNA; 2086 BP.
XX
XX AAS12522;
AC
XX 04-DEC-2001 (first entry)
DT
XX
XX Gene #15 encoding novel human serine carboxypeptidase polypeptide #15.
DE
XX Human; serine carboxypeptidase; immune disorder; angiogenic disorder;
KW hyperproliferative disorder; cardiovascular disorder; immunomodulatory;
KW cytoskeletal; cardiovascular; antiinflammatory; antiatherosclerotic; ds.
XX
XX Homo sapiens.
OS
XX WO200162789-A1.
PN
XX 30-AUG-2001.
PD
XX 22-FEB-2001; 2001WO-US05498.
PF
XX 24-FEB-2000; 2000US-0184664.
PR 16-MAR-2000; 2000US-0189874.
XX (HUMA-) HUMAN GENOME SCI INC.
PA
XX
XX Ni J, Shi Y, Ebner R, Choi GH, Ruben SM;
XX
XX WPI; 2001-502866/55.
DR P-PSDB; AAU07854.
XX
XX Nucleic acids encoding 15 human polypeptides, useful for preventing,
PT diagnosing and/or treating DiGeorge syndrome, Sezary syndrome, Scimitar
PT syndrome and Crohn's disease -
XX
XX Claim 4; Page 323; 340pp; English.
XX
XX The present invention relates to the isolation of novel human serine
CC carboxypeptidase polypeptides (AAU07840-AAU07854) and the genes
CC encoding them. The sequences of the invention can be used in the
CC diagnosis and/or treatment of diseases and/or disorders of peptidase
CC activities. Such disorders include immune disorders (e.g. DiGeorge
CC syndrome, Goodpasture syndrome and Addison's disease Hashimoto's
CC thyroiditis), hyperproliferative disorders (e.g. colon cancer, skin
CC cancer, Sezary Syndrome and Gaucher's disease), cardiovascular disorders
CC (e.g. aneurysm, Scimitar Syndrome and tachycardia) and/or angiogenic
CC disorders (e.g. Osler-Webber Syndrome, Crohn's disease and
CC atherosclerosis). AAS12508-AAS12522 represent genes encoding the novel
CC human serine carboxypeptidase polypeptides of the invention.
XX
XX Sequence 2086 BP; 554 A; 440 C; 521 G; 571 T; 0 other;
SQ
Query Match 58.8%; Score 19.4; DB 22; Length 2086;
Best Local Similarity 79.3%; Pred. No. 2.7e+02;
Matches 23; Conservative 0; Mismatches 6; Indels 0; Gaps 0;
QY 3 TGTCAGCAGCGCGCTCTCCCAAGTG 31
DB 424 TGCCAGCAGCGCCATGCTCCCGAGGTG 452
XX
RESULT 10
ABQ77259
ID ABQ77259 standard; cDNA; 2086 BP.
XX
XX ABQ77259;
AC
XX 17-APR-2003 (first entry)
DT
XX
XX Human gonadotropin-releasing hormone HSDIT48 cDNA.
DE
XX
XX Human; antiallergic; antiaesthetic; antiinflammatory; antibacterial;
KW virucide; fungicide; antidiabetic; anti-HIV; cytostatic; vulnerary;
KW antianemic; antiarteriosclerotic; immunosuppressive; nootropic; AIDS;
KW neuroprotective; antirheumatic; vasotropic; antithyroid; antithyroid;
KW dermatological; antiparkinsonian; cancer; hyperproliferative disorder;
KW autoimmune disorder; systemic lupus erythematosus; multiple sclerosis;
KW haematopoietic disorder; haematologic disorder; eczema; gene therapy; ss;
KW inflammatory bowel disease; Crohn's disease; neurodegenerative disorder;
KW Alzheimer's disease; Parkinson's disease; cardiovascular disorder; HIV;
KW infectious disease; wound healing; epithelial cell proliferation; gene.
XX
XX Homo sapiens.
OS
XX US2002151009-A1.
PN
XX 17-OCT-2002.
PD
XX 28-AUG-2001; 2001US-0939825.
PF
XX 24-FEB-2000; 2000US-184664P.
PR 16-MAR-2000; 2000US-189874P.
PR 22-FEB-2001; 2001WO-US05498.
XX (HUMA-) HUMAN GENOME SCI INC.
PA
XX Ni J, Shi Y, Ebner R, Ruben SM;
PI
XX

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DR WPI: 2003-198289/19.
 DR P-PSDB; ABG74535.
 XX New human polypeptides and nucleic acid molecules, useful for
 PT detecting, preventing, diagnosing, prognosticating, treating or
 PT ameliorating medical conditions such as cancer, AIDS, Alzheimer's
 PT disease or Parkinson's disease -
 XX
 PS Claim 1; Page 138-139; 152pp; English.
 XX This invention describes novel human polypeptide and the polynucleotides
 CC that encode them which have anti-allergic, anti-asthmatic, antibacterial,
 CC anti-inflammatory, virucide, fungicide, antidiabetic, anti-HIV, nootropic,
 CC cytosolic, vulnerary, antianemic, antiarteriosclerotic, antiarthritic,
 CC immunosuppressive; neuroprotective, anti-rheumatic, vasotropic,
 CC dermatological, antithyroid and antiparkinsonian activity. The
 CC polypeptides and nucleic acid molecules are useful for detecting,
 CC preventing, diagnosing, prognosticating, treating or ameliorating medical
 CC conditions such as cancer or other hyperproliferative disorders,
 CC autoimmune disorders (e.g. diabetes, rheumatoid arthritis, systemic lupus
 CC erythematosus, multiple sclerosis, autoimmune thyroiditis or haemolytic
 CC anaemia), haematopoietic or haematologic disorders (e.g. anaemia,
 CC thrombocytopaenia), allergic reactions including asthma or eczema,
 CC inflammatory disorders (e.g. ischaemia-reperfusion injury, inflammatory
 CC bowel disease or Crohn's disease), neurodegenerative disorders (e.g.
 CC Alzheimer's disease or Parkinson's disease), cardiovascular disorders
 CC (e.g. atherosclerosis, myocarditis), infectious diseases (bacterial,
 CC fungal or viral infections including HIV/AIDS), or wound healing and
 CC disorders of epithelial cell proliferation. The nucleic acids are also
 CC useful for gene therapy, chromosome identification, radiation hybrid
 CC mapping or long-range restriction mapping, as molecular weight markers,
 CC or as hybridisation or diagnostic probes. The polypeptides and antibodies
 CC are useful for providing immunological probes for differential
 CC identification of the tissues immunohistochemistry assays. The methods
 CC are also useful for inhibiting or enhancing the production and function
 CC of the polypeptide, or identifying a binding partner for the polypeptide.
 CC This sequence encodes a polypeptide described in the disclosure of the
 XX invention.
 XX
 SQ Sequence 2086 BP; 554 A; 440 C; 521 G; 571 T; 0 other;
 Query Match 58.8%; Score 19.4; DB 25; Length 2086;
 Best Local Similarity 79.3%; Pred. No. 2.7e+02;
 Matches 23; Conservative 0; Mismatches 6; Indels 0; Gaps 0;
 QY 3 TGTGACGAGCGCGCTCTCCCAAGTG 31
 |||||
 Db 424 TGCAGCAGCGCGCTCTCCCAAGTG 452
 |||||
 RESULT 11
 AAS85083/c
 ID AAS85083 standard; cDNA; 3642 BP.
 XX
 AC AAS85083;
 XX
 DT 13-FEB-2002 (first entry)
 XX
 DE DNA encoding novel human diagnostic protein #20887.
 XX
 KW Human; chromosome mapping; gene mapping; gene therapy; forensic;
 KW food supplement; medical imaging; diagnostic; genetic disorder; ss.
 XX
 OS Homo sapiens.
 XX
 PN WO200175067-A2.
 XX
 PD 11-OCT-2001.
 XX
 PF 30-MAR-2001; 2001WO-US08631.
 XX
 PR 31-MAR-2000; 2000US-0540217.
 PR 23-AUG-2000; 2000US-0649167.
 PR

(HYSE-) HYSEQ INC.
 Drmanac RT, Liu C, Tang YT;
 WPI: 2001-639362/73.
 P-PSDB; ABG20896.
 XX
 PS Claim 1; SEQ ID No 20887; 103pp; English.
 XX The invention relates to isolated polynucleotide (I) and
 CC polypeptide (II) sequences. (I) is useful as hybridisation probes,
 CC polymerase chain reaction (PCR) primers, oligomers, and for chromosome
 CC and gene mapping, and in recombinant production of (II). The
 CC polynucleotides are also used in diagnostics as expressed sequence tags
 CC for identifying expressed genes. (I) is useful in gene therapy techniques
 CC to restore normal activity of (II) or to treat disease states involving
 CC (II). (II) is useful for generating antibodies against it, detecting or
 CC quantitating a polypeptide in tissue, as molecular weight markers and as
 CC a food supplement. (II) and its binding partners are useful in medical
 CC imaging of sites expressing (II). (I) and (II) are useful for treating
 CC disorders involving aberrant protein expression or biological activity.
 CC The polypeptide and polynucleotide sequences have applications in
 CC diagnostics, forensics, gene mapping, identification of mutations
 CC responsible for genetic disorders or other traits to assess biodiversity
 CC and to produce other types of data and products dependent on DNA and
 CC amino acid sequences. AAS64197-AAS94564 represent novel human
 CC diagnostic coding sequences of the invention.
 CC Note: The sequence data for this patent did not appear in the printed
 CC specification, but was obtained in electronic format directly from WIPO
 CC at ftp.wipo.int/pub/published_pct_sequences.
 XX
 SQ Sequence 3642 BP; 824 A; 935 C; 1168 G; 715 T; 0 other;
 Query Match 58.8%; Score 19.4; DB 23; Length 3642;
 Best Local Similarity 95.2%; Pred. No. 2.9e+02;
 Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 6 CAGCAGCGCGCGCTCTCCCA 26
 |||||
 Db 2534 CAGCGCGCGCGCTCTCCCA 2514
 |||||
 RESULT 12
 AAL02410/c.
 ID AAL02410 standard; cDNA; 550 BP.
 XX
 AC AAL02410;
 XX
 DT 21-NOV-2001 (first entry)
 XX
 DE Human reproductive system related antigen cDNA SEQ ID NO: 2411.
 XX
 KW Human; reproductive system related antigen; reproductive system disorder;
 KW cancer; gene therapy; ss.
 XX
 OS Homo sapiens.
 XX
 PN WO200155320-A2.
 XX
 PD 02-AUG-2001.
 XX
 PF 17-JAN-2001; 2001WO-US01339.
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 PR 31-JAN-2000; 2000US-0179065.
 PR 04-FEB-2000; 2000US-0180628.
 PR 24-FEB-2000; 2000US-0184664.
 PR 02-MAR-2000; 2000US-0186350.
 PR

PR 16-MAR-2000; 2000US-0189974.
PR 17-MAR-2000; 2000US-0190076.
PR 18-APR-2000; 2000US-0198123.
PR 19-MAY-2000; 2000US-0205515.
PR 07-JUN-2000; 2000US-0209467.
PR 28-JUN-2000; 2000US-0214886.
PR 30-JUN-2000; 2000US-0215135.
PR 07-JUL-2000; 2000US-0216647.
PR 07-JUL-2000; 2000US-0216880.
PR 11-JUL-2000; 2000US-0217487.
PR 11-JUL-2000; 2000US-0217496.
PR 14-JUL-2000; 2000US-0218290.
PR 26-JUL-2000; 2000US-0220963.
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PR 14-AUG-2000; 2000US-0224518.
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PR 14-AUG-2000; 2000US-0225759.
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PR 22-AUG-2000; 2000US-0226681.
PR 22-AUG-2000; 2000US-0226868.
PR 22-AUG-2000; 2000US-0227182.
PR 23-AUG-2000; 2000US-0227009.
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PR 01-SEP-2000; 2000US-0229287.
PR 01-SEP-2000; 2000US-0229343.
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PR 08-SEP-2000; 2000US-0231413.
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PR 12-SEP-2000; 2000US-0231968.
PR 14-SEP-2000; 2000US-0232397.
PR 14-SEP-2000; 2000US-0232398.
PR 14-SEP-2000; 2000US-0232399.
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PR 14-SEP-2000; 2000US-0232401.
PR 14-SEP-2000; 2000US-0233063.
PR 14-SEP-2000; 2000US-0233064.
PR 14-SEP-2000; 2000US-0233065.
PR 21-SEP-2000; 2000US-0234223.
PR 21-SEP-2000; 2000US-0234274.
PR 25-SEP-2000; 2000US-0234997.
PR 25-SEP-2000; 2000US-0234998.
PR 26-SEP-2000; 2000US-0235484.
PR 27-SEP-2000; 2000US-0235834.
PR 27-SEP-2000; 2000US-0235836.
PR 29-SEP-2000; 2000US-0236327.
PR 29-SEP-2000; 2000US-0236367.
PR 29-SEP-2000; 2000US-0236368.
PR 29-SEP-2000; 2000US-0236369.
PR 29-SEP-2000; 2000US-0236370.
PR 02-OCT-2000; 2000US-0236802.
PR 02-OCT-2000; 2000US-0237037.
PR 02-OCT-2000; 2000US-0237038.
PR 02-OCT-2000; 2000US-0237039.
PR 02-OCT-2000; 2000US-0237040.
PR 13-OCT-2000; 2000US-0239935.
PR 13-OCT-2000; 2000US-0239937.
PR 20-OCT-2000; 2000US-0240960.
PR 20-OCT-2000; 2000US-0241221.
PR 20-OCT-2000; 2000US-0241785.
PR 20-OCT-2000; 2000US-0241786.
PR 20-OCT-2000; 2000US-0241787.
PR 20-OCT-2000; 2000US-0241808.
PR 20-OCT-2000; 2000US-0241809.
PR 20-OCT-2000; 2000US-0241826.
PR 01-NOV-2000; 2000US-0244617.
PR 08-NOV-2000; 2000US-0246474.
PR 08-NOV-2000; 2000US-0246475.
PR 08-NOV-2000; 2000US-0246476.
PR 08-NOV-2000; 2000US-0246477.
PR 08-NOV-2000; 2000US-0246478.
PR 08-NOV-2000; 2000US-0246523.
PR 08-NOV-2000; 2000US-0246524.
PR 08-NOV-2000; 2000US-0246525.
PR 08-NOV-2000; 2000US-0246526.
PR 08-NOV-2000; 2000US-0246527.
PR 08-NOV-2000; 2000US-0246528.
PR 08-NOV-2000; 2000US-0246532.
PR 08-NOV-2000; 2000US-0246609.
PR 08-NOV-2000; 2000US-0246610.
PR 08-NOV-2000; 2000US-0246611.
PR 08-NOV-2000; 2000US-0246613.
PR 17-NOV-2000; 2000US-0249207.
PR 17-NOV-2000; 2000US-0249208.
PR 17-NOV-2000; 2000US-0249209.
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PR 17-NOV-2000; 2000US-0249211.
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PR 17-NOV-2000; 2000US-0249213.
PR 17-NOV-2000; 2000US-0249214.
PR 17-NOV-2000; 2000US-0249215.
PR 17-NOV-2000; 2000US-0249216.
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PR 17-NOV-2000; 2000US-0249245.
PR 17-NOV-2000; 2000US-0249264.
PR 17-NOV-2000; 2000US-0249265.
PR 17-NOV-2000; 2000US-0249297.
PR 17-NOV-2000; 2000US-0249299.
PR 17-NOV-2000; 2000US-0249300.
PR 01-DEC-2000; 2000US-0250160.
PR 01-DEC-2000; 2000US-0250391.
PR 05-DEC-2000; 2000US-0251030.
PR 05-DEC-2000; 2000US-0251988.
PR 06-DEC-2000; 2000US-0251479.
PR 08-DEC-2000; 2000US-0251856.
PR 08-DEC-2000; 2000US-0251868.
PR 08-DEC-2000; 2000US-0251869.
PR 08-DEC-2000; 2000US-0251989.
PR 11-DEC-2000; 2000US-0251990.
PR 11-DEC-2000; 2000US-0254097.
PR 05-JAN-2001; 2001US-0259678..
(HUMA-) HUMAN GENOME SCI INC.
Rosen CA, Barash SC, Ruben SM;
WPI; 2001-465570/50.
P-PSDB; AAM96440.
Isolated nucleic acid molecule encoding a reproductive system antigen -
is used in preventing, treating or ameliorating a medical condition -
Claim 1; SEQ ID NO 2411; 1297pp + Sequence Listing; English.
The present invention provides the protein and coding sequences of a

XX SQ Sequence 2957 BP; 1168 A; 665 C; 556 G; 568 T; 0 other;
Query Match 58.2%; Score 19.2; DB 23; Length 4114;
Best Local Similarity 75.0%; Pred. No. 3.4e+02;
Matches 24; Conservative 0; Mismatches 8; Indels 0; Gaps 0;
QY 1 GTTGTACAGCAGCGCGCTCTCCCAAGTGT 32
DB 2197 GGTATCAGCAGCGGTGGCTCTCCCTCATCTGT 2166
Search completed: August 28, 2003, 13:38:45
Job time : 183.14 secs

RESULT 15
AAS77062/C
ID AAS77062 standard; cDNA; 4114 BP.
XX AC AAS77062;
XX DT 13-FEB-2002 (first entry)
XX DE DNA encoding novel human diagnostic protein #12866.
XX KW Human; chromosome/mapping; gene mapping; gene therapy; forensic;
KW food supplement; medical imaging; diagnostic; genetic disorder; ss.
XX OS Homo sapiens.
XX FN WO200175067-A2.
XX PD 11-OCT-2001.
XX PF 30-MAR-2001; 2001WO-US08631.
XX PR 31-MAR-2000; 2000US-0540217.
XX PR 23-AUG-2000; 2000US-0649167.
XX PA (HYSE-) HYSEQ INC.
XX PI Drmanac RT, Liu C, Tang YT;
XX WP1; 2001-639362/73.
XX P-PSDB; ABG12875.
XX PT New isolated polynucleotide and encoded polypeptides, useful in
PT diagnostics, forensics, gene mapping, identification of mutations
PT responsible for genetic disorders or other traits and to assess
PT biodiversity
XX Claim 1; SEQ ID No 12866; 103pp; English.
XX The invention relates to isolated polynucleotide (I) and
CC polypeptide (II) sequences. (I) is useful as hybridisation probes,
CC polymerase chain reaction (PCR) primers, oligomers, and for chromosome
CC and gene mapping, and in recombinant production of (II). The
CC polynucleotides are also used in diagnostics as expressed sequence tags
CC for identifying expressed genes. (I) is useful in gene therapy techniques
CC to restore normal activity of (II) or to treat disease states involving
CC (II). (II) is useful for generating antibodies against it, detecting or
CC quantitating a polypeptide in tissue, as molecular weight markers and as
CC a food supplement. (II) and its binding partners are useful in medical
CC imaging of sites expressing (II). (I) and (II) are useful for treating
CC disorders involving aberrant protein expression or biological activity.
CC The polypeptide and polynucleotide sequences have applications in
CC diagnostics, forensics, gene mapping, identification of mutations
CC responsible for genetic disorders or other traits to assess biodiversity
CC and to produce other types of data and products dependent on DNA and
CC amino acid sequences. AAS64197-AAS94564 represent novel human
CC diagnostic coding sequences of the invention.
CC Note: The sequence data for this patent did not appear in the printed
CC specification, but was obtained in electronic format directly from WIPO
XX at ftp.wipo.int/pub/published_pct_sequences.
XX Sequence 4114 BP; 1438 A; 951 C; 808 G; 917 T; 0 other;

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: August 28, 2003, 12:51:16 ; Search time 48.2791 Seconds
(without alignments)
329.124 Million cell updates/sec

Title: US-10-054-444-2

Perfect score: 36

Sequence: 1 taaacttcgcccgcacatgatcacagaggacttg 36

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA.*

- 1: /cgn2_6/ptodata/2/ina/5A_COMB.seq.*
- 2: /cgn2_6/ptodata/2/ina/5B_COMB.seq.*
- 3: /cgn2_6/ptodata/2/ina/6A_COMB.seq.*
- 4: /cgn2_6/ptodata/2/ina/6B_COMB.seq.*
- 5: /cgn2_6/ptodata/2/ina/PCTUS_COMB.seq.*
- 6: /cgn2_6/ptodata/2/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	18.8	52.2	54	3	US-08-444-818-219
2	18.8	52.2	54	3	US-08-444-818-224
3	18.8	52.2	54	3	US-08-444-818-753
4	18.8	52.2	54	6	5189019-9
5	18.6	51.7	11091	4	US-09-134-001C-2243
6	18.4	51.1	833	4	US-09-620-312D-440
7	18.4	51.1	1377	5	PCT-US91-02954-2
8	18.4	51.1	1742	3	US-08-466-368-3
9	18.4	51.1	1742	4	US-09-517-605-7
10	18.4	51.1	1742	4	US-08-470-998-1
11	18.2	50.6	3894	4	US-09-107-532A-898
12	17.8	49.4	277	3	US-09-328-111-224
13	17.6	48.9	53	1	US-08-287-075-4
14	17.6	48.9	378	4	US-09-295-996B-3
15	17.6	48.9	378	4	US-09-295-946B-3
16	17.6	48.9	378	4	US-09-551-737C-3
17	17.6	48.9	2466	4	US-09-266-965-83
18	17.6	48.9	3379	4	US-09-489-847-27
19	17.6	48.9	11663	1	US-08-446-932-1
20	17.6	48.9	11663	1	US-08-801-263A-1
21	17.6	48.9	11663	1	US-08-801-263A-7
22	17.6	48.9	11663	3	US-09-102-248-1
23	17.6	48.9	11663	3	US-09-102-248-7
24	17.6	48.9	11663	4	US-09-367-764-1
25	17.6	48.9	11663	4	US-09-367-764-7
26	17.6	48.9	18034	3	US-09-266-965-75
27	17.4	48.3	835	3	US-08-998-416-326

C	28	17.4	48.3	1326	4	US-09-328-352-2243	Sequence 2243, Ap
	29	17.4	48.3	1872	4	US-09-291-922-27	Sequence 27, Appl
	30	17.4	48.3	3196	4	US-09-704-449-1	Sequence 1, Appli
	31	17.4	48.3	9461	4	US-09-221-017B-513	Sequence 513, App
	32	17.4	48.3	116592	4	US-09-818-512-3	Sequence 3, Appli
	33	17.4	48.3	4403765	3	US-09-103-840A-2	Sequence 2, Appli
	34	17.4	48.3	4411529	3	US-09-103-840A-1	Sequence 1, Appli
	35	17.2	47.8	360	3	US-09-155-036-9	Sequence 9, Appli
	36	17.2	47.8	1338	4	US-09-252-991A-7783	Sequence 7783, Ap
	37	17.2	47.8	1586	3	US-09-155-036-19	Sequence 19, Appl
	38	17.2	47.8	1597	3	US-09-155-036-20	Sequence 20, Appl
	39	17.2	47.8	1598	3	US-09-155-036-18	Sequence 18, Appl
	40	17.2	47.8	1633	3	US-09-155-036-17	Sequence 17, Appl
	41	17.2	47.8	1674	3	US-09-155-036-21	Sequence 21, Appl
	42	17.2	47.8	1675	4	US-09-329-535-1	Sequence 1, Appli
	43	17.2	47.8	1679	4	US-09-620-312D-997	Sequence 997, App
	44	17.2	47.8	1808	3	US-09-155-036-3	Sequence 3, Appli
	45	17.2	47.8	1846	3	US-09-155-036-4	Sequence 4, Appli

ALIGNMENTS

RESULT 1
US-08-444-818-219
; Sequence 219, Application US/08444818
; Patent No. 6150087
; GENERAL INFORMATION:
; APPLICANT: Chien, David Y.
; APPLICANT: Rutter, William J.
; TITLE OF INVENTION: NANV Diagnostics and Vaccines
; NUMBER OF SEQUENCES: 777
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Chiron Corporation
; STREET: 4560 Horton Street
; CITY: Emeryville
; STATE: CA
; COUNTRY: USA
; ZIP: 94608-2916
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/444,818
; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/403,590
; FILING DATE: 14-MAR-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Harbin, Alisa A.
; REGISTRATION NUMBER: 33,895
; REFERENCE/DOCKET NUMBER: 0110.002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (508)359-3876
; TELEFAX: (508)359-3885
; INFORMATION FOR SEQ ID NO: 219:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 54 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "oligo dT-primer adapter"
US-08-444-818-219

Query Match 52.2%; Score 18.8; DB 3; Length 54;
Best Local Similarity 76.7%; Pred. No. 21;
Matches 23; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 4 ACTTCGCGCCGCATATGACAGAGGAC 33

Db 1 AATTCGGCGCCCATACGATTAGGTGAC 30

RESULT 2

US-08-444-818-224
; Sequence 224, Application US/08444818
; Patent No. 6150087
; GENERAL INFORMATION:
; APPLICANT: Chien, David Y.
; APPLICANT: Rutter, William J.
; TITLE OF INVENTION: NANBV Diagnostics and Vaccines
; NUMBER OF SEQUENCES: 777
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Chiron Corporation
; STREET: 4560 Horton Street
; CITY: Emeryville
; STATE: CA
; COUNTRY: USA
; ZIP: 94608-2916
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/444,818
; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/403,590
; FILING DATE: 14-MAR-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Harbin, Alisa A.
; REGISTRATION NUMBER: 33,895
; REFERENCE/DOCKET NUMBER: 0110.002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (508)359-3876
; TELEFAX: (508)359-3885
; INFORMATION FOR SEQ ID NO: 224:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 54 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "dt-primer adapter"
US-08-444-818-224

Query Match 52.2%; Score 18.8; DB 3; Length 54;
Best Local Similarity 76.7%; Pred. No. 21;
Matches 23; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 4 ACTTCGGCGCCCATATGACACAGGAC 33
Db 1 AATTCGGCGCCCATACGATTAGGTGAC 30

RESULT 3

US-08-444-818-753
; Sequence 753, Application US/08444818
; Patent No. 6150087
; GENERAL INFORMATION:
; APPLICANT: Chien, David Y.
; APPLICANT: Rutter, William J.
; TITLE OF INVENTION: NANBV Diagnostics and Vaccines
; NUMBER OF SEQUENCES: 777
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Chiron Corporation
; STREET: 4560 Horton Street
; CITY: Emeryville
; STATE: CA
; COUNTRY: USA

ZIP: 94608-2916
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/444,818
; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/403,590
; FILING DATE: 14-MAR-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Harbin, Alisa A.
; REGISTRATION NUMBER: 33,895
; REFERENCE/DOCKET NUMBER: 0110.002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (508)359-3876
; TELEFAX: (508)359-3885
; INFORMATION FOR SEQ ID NO: 753:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 54 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "primer JHC 13"
US-08-444-818-753

Query Match 52.2%; Score 18.8; DB 3; Length 54;
Best Local Similarity 76.7%; Pred. No. 21;
Matches 23; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 4 ACTTCGGCGCCCATATGACACAGGAC 33
Db 1 AATTCGGCGCCCATACGATTAGGTGAC 30

RESULT 4

5189019-9
; Patent No. 5189019
; APPLICANT: PALLADINO, LINDA O.; SILBERKLANG, MELVIN; TUNG,
; JWU-SHENG; LAW, SIMON W.; MARK, GEORGE E.
; TITLE OF INVENTION: ANTISTASIN DERIVED ANTICOAGULANT PROTEIN
; NUMBER OF SEQUENCES: 12
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/512,695
; FILING DATE: 23-APR-1990
; SEQ ID NO: 9:
; LENGTH: 54
5189019-9

Query Match 52.2%; Score 18.8; DB 6; Length 54;
Best Local Similarity 76.7%; Pred. No. 21;
Matches 23; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 4 ACTTCGGCGCCCATATGACACAGGAC 33
Db 1 AATTCGGCGCCCATACGATTAGGTGAC 30

RESULT 5

US-09-134-001C-2243
; Sequence 2243, Application US/09134001C
; Patent No. 6380370
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC-007
; CURRENT APPLICATION NUMBER: US/09/134,001C
; CURRENT FILING DATE: 1998-08-13

; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 2243
; LENGTH: 11091
; TYPE: DNA
; ORGANISM: Staphylococcus epidermidis
; US-09-134-001C-2243

Query Match 51.7%; Score 18.6; DB 4; Length 11091;
Best Local Similarity 72.7%; Pred. No. 58;
Matches 24; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

Qy 3 AACTTCGCGCGCCATATGACACAGAGGACTT 35
Db 1282 AACTTCGCGCGCTGCTATAGTCAAAATGAACCTT 1314

RESULT 6
US-09-620-312D-440/c
; Sequence 440, Application US/09620312D
; Patent No. 6569662
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Zhang, Jie
; APPLICANT: Ren, Feiyan
; APPLICANT: Chen, Rui-hong
; APPLICANT: Zhao, Qing A.
; APPLICANT: Wehrman, Tom
; APPLICANT: Xue, Aidong J.
; APPLICANT: Yang, Yonghong
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Zhou, Ping
; APPLICANT: Ma, Yundong
; APPLICANT: Wang, Dunrui
; APPLICANT: Wang, Zhiwei
; APPLICANT: John Tillinghast
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: No. 6569662el Nucleic Acids and
; TITLE OF INVENTION: Polypeptides
; FILE REFERENCE: 784CIP2B
; CURRENT APPLICATION NUMBER: US/09/620,312D
; CURRENT FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/488,725
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 1105
; SOFTWARE: pt_FL_genes Version 1.0
; SEQ ID NO 440
; LENGTH: 833
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (258)..(467)
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(833)
; OTHER INFORMATION: n = a,t,c or g
; US-09-620-312D-440

Query Match 51.1%; Score 18.4; DB 4; Length 833;
Best Local Similarity 78.6%; Pred. No. 48;
Matches 22; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 7 TCGCGCGCGCCATATGACACAGGACT 34
Db 390 TCGCGCGCGCAACACACCGGGCT 363

RESULT 7
PCT-US91-02954-2/c
; Sequence 2, Application PC/TUS9102954
; GENERAL INFORMATION:
; APPLICANT: PEPINSKY, R. BLAKE
; APPLICANT: ROSA, MARGARET D.
; APPLICANT: STOSSEL, THOMAS P.
; TITLE OF INVENTION: MULTIMERIC GELSOLIN FUSION CONSTRUCTS
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FISH & NEAVE
; STREET: 875 Third Avenue
; CITY: New York
; STATE: New York
; COUNTRY: United States of America
; ZIP: 10022
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US91/02954
; FILING DATE: 19910503
; CLASSIFICATION: 436
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/520,368
; FILING DATE: 04-MAY-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Haley Jr., James F.
; REGISTRATION NUMBER: 27,794
; REFERENCE/DOCKET NUMBER: B144CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 715-0600
; TELEFAX: (212) 715-0634
; TELEX: 14-8367
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1377 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: double
; TOPOLOGY: linear
; PCT-US91-02954-2

Query Match 51.1%; Score 18.4; DB 5; Length 1377;
Best Local Similarity 78.6%; Pred. No. 52;
Matches 22; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 5 CTTTCGCGCGCCATATGACACAGGGA 32
Db 1277 CTTTCGCGCGCCATATGACACAGGA 1250

RESULT 8
US-08-466-368-3/c
; Sequence 3, Application US/08466368
; Patent No. 603539
; GENERAL INFORMATION:
; APPLICANT: Maddon, Paul J.
; APPLICANT: Littman, Dan R.
; APPLICANT: Chess, Leonard
; APPLICANT: Axel, Richard
; APPLICANT: Weiss, Robin
; APPLICANT: McDougall, J. S.
; TITLE OF INVENTION: DNA ENCODING THE T CELL SURFACE PROTEIN
; TITLE OF INVENTION: T4 AND USE OF FRAGMENTS OF T4 IN THE TREATMENT OF AIDS
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham LLP
; STREET: 1185 Avenue of Americas
; CITY: New York

```

; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/466,368
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P.
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 24577-E1-B/JPM/AKC
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-278-0400
; TELEFAX: 212-391-0525
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1742 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 76..1449
; US-08-466-368-3

Query Match 51.1%; Score 18.4; DB 3; Length 1742;
Best Local Similarity 78.6%; Pred. No. 54;
Matches 22; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 5 CTTCGCGCGCCCATATGACACAGGA 32
Db 1352 CTTCGTCGCCGACCTGACACAGA 1325

RESULT 9
US-09-517-605-7/c
; Sequence 7, Application US/09517605
; Patent No. 6391567
; GENERAL INFORMATION:
; APPLICANT: Littman, Dan R.
; APPLICANT: Kwon, Douglas S.
; APPLICANT: van Kooyk, Yvette
; APPLICANT: Geitzenbeck, Tneo
; TITLE OF INVENTION: METHODS OF USING A FACILITATOR OF RETROVIRAL ENTRY INTO
; FILE OF INVENTION: CELLS
; FILE REFERENCE: 1049-1-017
; CURRENT APPLICATION NUMBER: US/09/517,605
; CURRENT FILING DATE: 2000-03-02
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
; LENGTH: 1742
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-517-605-7

Query Match 51.1%; Score 18.4; DB 4; Length 1742;
Best Local Similarity 78.6%; Pred. No. 54;
Matches 22; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 5 CTTCGCGCGCCCATATGACACAGGA 32
Db 1352 CTTCGTCGCCGACCTGACACAGA 1325

RESULT 10
US-08-470-998-1/c

; Sequence 1, Application US/08470998
; Patent No. 6570000
; GENERAL INFORMATION:
; APPLICANT: Macdon, Paul J.
; APPLICANT: Littman, Dan R.
; APPLICANT: Chess, Leonard
; APPLICANT: Axel, Richard
; APPLICANT: Weiss, Robin
; APPLICANT: McDougall, J. S.
; TITLE OF INVENTION: DNA ENCODING THE T CELL SURFACE PROTEIN
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham LLP
; STREET: 1185 Avenue of Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/470,998
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P.
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 24577-F1-B/JPM/AKC
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-278-0400
; TELEFAX: 212-391-0525
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1742 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: YES
; ANTI-SENSE: YES
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 76..1449
; US-08-470-998-1

Query Match 51.1%; Score 18.4; DB 4; Length 1742;
Best Local Similarity 78.6%; Pred. No. 54;
Matches 22; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 5 CTTCGCGCGCCCATATGACACAGGA 32
Db 1352 CTTCGTCGCCGACCTGACACAGA 1325

RESULT 11
US-09-107-532A-898
; Sequence 898, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
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; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-012
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 898:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3894 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Enterococcus faecium
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...3894
; SEQUENCE DESCRIPTION: SEQ ID NO: 898:
US-09-107-532A-898

Query Match 50.6%; Score 18.2; DB 4; Length 3894;
Best Local Similarity 87.0%; Pred. No. 74;
Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 14 CGCCATATGACACAGAGACTTG 36
Db 356 CGCCATATGACGAGAGACTTG 378

RESULT 12
US-09-328-111-224
; Sequence 224, Application US/09328111
; Patent No. 6262333
; GENERAL INFORMATION:
; APPLICANT: Endege, Wilson O.
; APPLICANT: Steinmann, Kathleen E.
; APPLICANT: Astle, Jon H.
; APPLICANT: Burgess, Christopher C.
; APPLICANT: Bushnell, Steven E.
; APPLICANT: Carroll III, Eddie
; APPLICANT: Catino, Theodore J.
; APPLICANT: Derti, Adnan
; APPLICANT: Ford, Donna M.
; APPLICANT: Lewis, Marcia E.
; APPLICANT: Monahan, John E.
; APPLICANT: Schlegel, Robert
; TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
; TITLE OF INVENTION: PRODUCTS
; FILE REFERENCE: CCD-257 (US)
; CURRENT APPLICATION NUMBER: US/09/328,111
; CURRENT FILING DATE: 1999-06-08
; EARLIER APPLICATION NUMBER: US 60/088,801
; EARLIER FILING DATE: 1998-06-10
; NUMBER OF SEQ ID NOS: 850
; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 224
; LENGTH: 277
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-328-111-224

Query Match 49.4%; Score 17.8; DB 3; Length 277;
Best Local Similarity 75.9%; Pred. No. 74;
Matches 22; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 8 CGCGGGCGGCATATGACACAGAGACTTG 36
Db 67 CGCGGGCGGCAGATGGGAAGACACTG 95

RESULT 13
US-08-287-075-4
; Sequence 4, Application US/08287075
; Patent No. 5656462
; GENERAL INFORMATION:
; APPLICANT: Keller, Cylia
; APPLICANT: Mitsuhashi, Masato
; APPLICANT: Akitava, Tatsuo
; TITLE OF INVENTION: POLYNUCLEOTIDE IMMOBILIZED SUPPORT
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: KNOBBE, MARTENS, OLSON, AND BEAR
; STREET: 620 NEWPORT CENTER DRIVE SIXTEENTH FLOOR
; CITY: NEWPORT BEACH
; STATE: CA
; COUNTRY: USA
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/287,075
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/827,975
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Altman, Daniel E
; REGISTRATION NUMBER: 34,115
; REFERENCE/DOCKET NUMBER: HITACHI.002A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 714-760-0404
; TELEFAX: 714-760-9502
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 53 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA to mRNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: 53-MER OLIGO CONTAINING ECOR1, NOTI, AND T7
; ORGANISM: PROMOTER
US-08-287-075-4

Query Match 48.9%; Score 17.6; DB 1; Length 53;
Best Local Similarity 83.3%; Pred. No. 69;
Matches 20; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 4 ACTTCGGCGCGCCATATGACACA 27
Db 6 AATTCGGCGCGCCATATGACACTCA 29
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Search completed: August 28, 2003, 16:15:24
Job time : 53.2791 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: August 28, 2003, 12:51:16 ; Search time 42.9147 Seconds
(without alignments)
329.124 Million cell updates/sec

Title: US-10-054-444-1
Perfect score: 32
Sequence: 1 aggactcgagtgaattgccagcgtgaag 32

Scoring table: IDENTITY NUC
Gapop 10.0, Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA.*
1: /cgn2_6/ptodata/2/ina/5A COMB.seq.*
2: /cgn2_6/ptodata/2/ina/5B COMB.seq.*
3: /cgn2_6/ptodata/2/ina/6A COMB.seq.*
4: /cgn2_6/ptodata/2/ina/6B COMB.seq.*
5: /cgn2_6/ptodata/2/ina/PCTUS COMB.seq.*
6: /cgn2_6/ptodata/2/ina/backfiles.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	23	71.9	418	3	US-08-300-928C-1
2	23	71.9	418	3	US-08-430-944D-1
3	23	71.9	418	3	US-08-430-014-1
4	23	71.9	418	3	US-08-431-184-1
5	23	71.9	420	3	US-08-300-928C-3
6	23	71.9	420	3	US-08-430-944D-3
7	23	71.9	420	3	US-08-430-014-3
8	23	71.9	420	3	US-08-431-184-3
9	23	71.9	422	1	US-07-807-529A-1
10	23	71.9	422	5	PCT-US93-02462-1
11	23	71.9	428	1	US-07-807-529A-3
12	23	71.9	428	5	PCT-US93-02462-3
13	18.2	56.9	2120	4	US-08-149-476-160
14	18.2	56.9	3823	4	US-08-542-250C-1
15	18	56.2	12284	2	US-08-876-991-1
16	18	56.2	12284	2	US-08-059-853-1
17	17.8	55.6	43069	4	US-09-292-542A-1
18	17.6	55.0	3275	4	US-09-370-838-151
19	17.6	55.0	3441	2	US-08-742-753-1
20	17.4	54.4	933	4	US-09-671-317-145
21	17.4	54.4	3348	1	US-08-222-616-35
22	17.4	54.4	3348	4	US-08-446-648-35
23	17.4	54.4	3348	5	PCT-US95-04228-35
24	17.4	54.4	5091	4	US-08-469-260A-668
25	17.4	54.4	5091	4	US-08-488-446-668
26	17.4	54.4	5091	4	US-08-467-344A-668
27	17.4	54.4	9034	4	US-08-469-260A-397

Sequence 397, App
Sequence 397, App
Sequence 1, Appli
Sequence 26, Appli
Sequence 3, Appli
Sequence 4368, Ap
Sequence 811, App
Sequence 61, Appl
Sequence 3, Appli
Sequence 97, Appl
Sequence 39, Appl
Sequence 13, Appl
Sequence 11, Appl
Sequence 11, Appl
Sequence 10, Appl
Sequence 10, Appl

ALIGNMENTS

RESULT 1
US-08-300-928C-1
; Sequence 1, Application US/08300928C
; Patent No. 6019972
; GENERAL INFORMATION:
; APPLICANT: GEFTER, Malcolm L. et al.
; TITLE OF INVENTION: PEPTIDES FOR HUMAN T CELL REACTIVE FELINE
; NUMBER OF SEQUENCES: 101
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: IMMULOGIC PHARMACEUTICAL CORPORATION
; STREET: 610 LINCOLN STREET
; CITY: WALTHAM
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02145

COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/300,928C
; FILING DATE: September 2, 1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/807,529
; FILING DATE: December 13, 1991
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: AMY E. MANDRAGOURAS
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: 002.6US (IMI-044)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 418 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 2..283
; US-08-300-928C-1

Query Match 71.9%; Score 23; DB 3; Length 418;
Best Local Similarity 100.0%; Pred. No. 0.032;

;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/431,184
;; FILING DATE: 28-APR-1995
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 08/430,014
;; FILING DATE: 27-APR-1995
;; PRIOR APPLICATION DATA: US 08/300,928
;; FILING DATE: 02-SEPT-1994
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Amy E. Mandragouras
;; REGISTRATION NUMBER: 36,207
;; REFERENCE/DOCKET NUMBER: IMI-044DV3
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (617)227-7400
;; TELEFAX: (617)742-4214
;; INFORMATION FOR SEQ ID NO: 1:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 418 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: cdna
;; FEATURE:
;; NAME/KEY: CDS
;; LOCATION: 2..283
;; US-08-431-184-1

Query Match 71.9%; Score 23; DB 3; Length 418;
Best Local Similarity 100.0%; Pred. No. 0.032;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 10 GTGAAATTTGCCAGCGTGAAG 32
|||||
Db 72 GTGAAATTTGCCAGCGTGAAG 94

RESULT 5
US-08-300-928C-3
; Sequence 3, Application US/08300928C
; Patent No. 6019972
; GENERAL INFORMATION:
; APPLICANT: GEFTER, Malcolm L. et al.
; TITLE OF INVENTION: PEPTIDES FOR HUMAN T CELL REACTIVE FELINE
; TITLE OF INVENTION: PROTEIN (TRFP)
; NUMBER OF SEQUENCES: 101
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: IMMUNOLOGIC PHARMACEUTICAL CORPORATION
; STREET: 610 LINCOLN STREET
; CITY: WALTHAM
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02145
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/300,928C
; FILING DATE: September 2, 1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/807,529
; FILING DATE: December 13, 1991
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: AMY E. MANDRAGOURAS
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: 002.6US (IMI-044)

;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (617) 227-7400
;; TELEFAX: (617) 227-5941
;; INFORMATION FOR SEQ ID NO: 3:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 420 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: cdna
;; FEATURE:
;; NAME/KEY: CDS
;; LOCATION: 2..301
;; US-08-300-928C-3

Query Match 71.9%; Score 23; DB 3; Length 420;
Best Local Similarity 100.0%; Pred. No. 0.032;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 10 GTGAAATTTGCCAGCGTGAAG 32
|||||
Db 78 GTGAAATTTGCCAGCGTGAAG 100

RESULT 6
US-08-430-944D-3
; Sequence 3, Application US/08430944D
; Patent No. 6025162
; GENERAL INFORMATION:
; APPLICANT: Bruce L. Rogers et al.
; TITLE OF INVENTION: A HUMAN T CELL REACTIVE FELINE PROTEIN
; TITLE OF INVENTION:
; NUMBER OF SEQUENCES: 103
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/430,944D
; FILING DATE: 28-APR-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/430,014
; FILING DATE: 27-APR-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/300,928
; FILING DATE: 02-SEPT-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Amy E. Mandragouras
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: IMI-044DV2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)742-4214
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 420 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 2..289
; NAME/KEY: mat_peptide

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; LOCATION: 80..289
US-08-430-944D-3

Query Match
Best Local Similarity 71.9%; Score 23; DB 3; Length 420;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 GTGAAATTTGCCAGCGGTGAAG 32
Db 78 GTGAAATTTGCCAGCGGTGAAG 100

RESULT 7
US-08-430-014-3
; Sequence 3, Application US/08430014
; Patent No. 6048962
; GENERAL INFORMATION:
; APPLICANT: GEFTER, Malcolm L. et al.
; TITLE OF INVENTION: PEPTIDES FOR HUMAN T CELL REACTIVE FELINE
; CORRESPONDENCE ADDRESS:
; NUMBER OF SEQUENCES: 101
; FILING DATE: 28-APR-1995
; APPLICATION NUMBER: US/08/431,184
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/430,014
; FILING DATE: 27-APR-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/300,928
; FILING DATE: 02-SEPT-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Amy E. Mandragouras
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: IMI-044DV3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 742-4214
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 420 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 2..301
; US-08-430-014-3

Query Match
Best Local Similarity 100.0%; Pred. No. 0.032;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 GTGAAATTTGCCAGCGGTGAAG 32
Db 78 GTGAAATTTGCCAGCGGTGAAG 100

RESULT 8
US-08-431-184-3
; Sequence 3, Application US/08431184
; Patent No. 6120769

Query Match
Best Local Similarity 71.9%; Score 23; DB 3; Length 420;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 GTGAAATTTGCCAGCGGTGAAG 32
Db 78 GTGAAATTTGCCAGCGGTGAAG 100

RESULT 9
US-07-807-529A-1
; Sequence 1, Application US/07807529A
; Patent No. 5547669
; GENERAL INFORMATION:
; APPLICANT: Rogers, Bruce L.
; APPLICANT: Morgenstern, Jay
; APPLICANT: Bond, Julian F.
; APPLICANT: Garman, Richard D.
; APPLICANT: Greenstein, Julia L.
; APPLICANT: Kuo, Mei-chang
; APPLICANT: Morville, Malcolm
; TITLE OF INVENTION: RECOMBITOPE PEPTIDES
; NUMBER OF SEQUENCES: 76
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: IMMULOGIC PHARMACEUTICAL CORPORATION
```


STREET: One Kendall Square, Building 600
CITY: Cambridge
STATE: MA
COUNTRY: USA
ZIP: 02139
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII TEXT
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/807,529A
FILING DATE: 19911213
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/662,276
FILING DATE: 28-FEB-1991
APPLICATION NUMBER: US 07/431,565
FILING DATE: 03-NOV-1989
ATTORNEY/AGENT INFORMATION:
NAME: Channing, Stacey L.
REGISTRATION NUMBER: 31,095
REFERENCE/DOCKET NUMBER: IPC-027/imi-015
TELEPHONE: (617) 494-0060
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 422 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 8..286
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 74..286
US-07-807-529A-1

Query Match 71.9%; Score 23; DB 1; Length 422;
Best Local Similarity 100.0%; Pred. No. 0.032;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 GTGAAATTTGCCAGCCGTGAAG 32
|||||
Db 72 GTGAAATTTGCCAGCCGTGAAG 94

RESULT 10
PCT-US93-02462-1
Sequence 1, Application PC/TUS9302462
GENERAL INFORMATION:
APPLICANT: Gelfer, Malcolm L.
APPLICANT: Garman, Richard D.
APPLICANT: Greenstein, Julia L.
APPLICANT: Kuo, Mei-chang
APPLICANT: Briner, Thomas J.
APPLICANT: Morville, Malcolm
TITLE OF INVENTION: PEPTIDES USEFUL FOR TOLERIZATION
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 60 State Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII TEXT

CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/02462
FILING DATE: 19930325
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/006,116
FILING DATE: 15-JAN-1993
APPLICATION NUMBER: US 07/884,718
FILING DATE: 15-MAY-1992
APPLICATION NUMBER: 07/857,311
FILING DATE: 25-MAR-1992
ATTORNEY/AGENT INFORMATION:
NAME: Mandragouras, Amy E.
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: IPC-031PC
TELEPHONE: (617) 227-7400
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 422 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 8..286
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 74..286
PCT-US93-02462-1

Query Match 71.9%; Score 23; DB 5; Length 422;
Best Local Similarity 100.0%; Pred. No. 0.032;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 GTGAAATTTGCCAGCCGTGAAG 32
|||||
Db 72 GTGAAATTTGCCAGCCGTGAAG 94

RESULT 11
US-07-807-529A-3
Sequence 3, Application US/07807529A
Patent No. 5547669
GENERAL INFORMATION:
APPLICANT: Rogers, Bruce L.
APPLICANT: Morgenstern, Jay
APPLICANT: Bond, Julian F.
APPLICANT: Garman, Richard D.
APPLICANT: Greenstein, Julia L.
APPLICANT: Kuo, Mei-chang
APPLICANT: Morville, Malcolm
TITLE OF INVENTION: RECOMBINANT PEPTIDES
NUMBER OF SEQUENCES: 76
CORRESPONDENCE ADDRESS:
ADDRESSEE: IMMULOGIC PHARMACEUTICAL CORPORATION
STREET: One Kendall Square, Building 600
CITY: Cambridge
STATE: MA
COUNTRY: USA
ZIP: 02139
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII TEXT
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/807,529A
FILING DATE: 19911213
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/662,276

; FILING DATE: 28-FEB-1991
; APPLICATION NUMBER: US 07/431,565
; FILING DATE: 03-NOV-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Channing, Stacey L.
; REGISTRATION NUMBER: 31,095
; REFERENCE/DOCKET NUMBER: IPC-027/im1-015
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 494-0060
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 428 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: mat peptide
; LOCATION: 80..292
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 26..292
; PCT-US93-02462-3
US-07-807-529A-3

Query Match 71.9%; Score 23; DB 1; Length 428;
Best Local Similarity 100.0%; Pred. No. 0.032;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 10 GTGAAATTTGCCAGCCGTGAAG 32
Db 78 GTGAAATTTGCCAGCCGTGAAG 100

RESULT 12
PCT-US93-02462-3
; Sequence 3, Application PC/TUS9302462
; GENERAL INFORMATION:
; APPLICANT: Gefter, Malcolm L.
; APPLICANT: Garman, Richard D.
; APPLICANT: Greenstein, Julia L.
; APPLICANT: Kuo, Mei-chang
; APPLICANT: Briner, Thomas J.
; APPLICANT: Morville, Malcolm
; TITLE OF INVENTION: PEPTIDES USEFUL FOR TOLERIZATION
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESS: LAHIVE & COCKFIELD
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII TEXT
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/02462
; FILING DATE: 19930325
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/006,116
; FILING DATE: 15-JAN-1993
; APPLICATION NUMBER: US 07/884,718
; FILING DATE: 15-MAY-1992
; APPLICATION NUMBER: 07/857,311
; FILING DATE: 25-MAR-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Mandragoras, Amy E.
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: IPC-031PC
; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (617) 227-7400
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 428 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: mat peptide
; LOCATION: 80..292
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 26..292
; PCT-US93-02462-3
QY 10 GTGAAATTTGCCAGCCGTGAAG 32
Db 78 GTGAAATTTGCCAGCCGTGAAG 100

Query Match 71.9%; Score 23; DB 5; Length 428;
Best Local Similarity 100.0%; Pred. No. 0.032;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
RESULT 13
US-09-149-476-160
; Sequence 160, Application US/09149476
; Patent No. 6420526
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 186 Human Secreted proteins
; FILE REFERENCE: P2002P1
; CURRENT APPLICATION NUMBER: US/09/149,476
; CURRENT FILING DATE: 1998-09-08
; EARLIER APPLICATION NUMBER: PCT/US98/04493
; EARLIER FILING DATE: 1998-03-06
; EARLIER APPLICATION NUMBER: 60/040,162
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,333
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/038,621
; EARLIER FILING DATE: 1997-03-07
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; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/047,600
; EARLIER FILING DATE: 1997-05-23
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; EARLIER FILING DATE: 1997-05-23
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; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,581
; EARLIER FILING DATE: 1997-05-23

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18	EARLIER APPLICATION NUMBER: 60/056,845	
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22	EARLIER APPLICATION NUMBER: 60/057,761	
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30	EARLIER APPLICATION NUMBER: 60/047,585	
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46	EARLIER APPLICATION NUMBER: 60/043,576	
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48	EARLIER APPLICATION NUMBER: 60/047,501	
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54	EARLIER APPLICATION NUMBER: 60/056,664	
55	EARLIER FILING DATE: 1997-08-22	
56	EARLIER APPLICATION NUMBER: 60/056,876	
57	EARLIER FILING DATE: 1997-08-22	
58	EARLIER APPLICATION NUMBER: 60/056,881	
59	EARLIER FILING DATE: 1997-08-22	
60	EARLIER APPLICATION NUMBER: 60/056,909	
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62	EARLIER APPLICATION NUMBER: 60/056,875	
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64	EARLIER APPLICATION NUMBER: 60/056,862	
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68	EARLIER APPLICATION NUMBER: 60/056,908	
69	EARLIER FILING DATE: 1997-08-22	
70	EARLIER APPLICATION NUMBER: 60/048,964	
71	EARLIER FILING DATE: 1997-06-06	
72	EARLIER APPLICATION NUMBER: 60/057,650	
73	EARLIER FILING DATE: 1997-09-01	

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EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/057,669
EARLIER FILING DATE: 1997-09-05
EARLIER APPLICATION NUMBER: 60/049,610
EARLIER FILING DATE: 1997-06-13
EARLIER APPLICATION NUMBER: 60/061,060
EARLIER FILING DATE: 1997-10-02

Query Match 56.9%; Score 18.2; DB 4; Length 2120;
Best Local Similarity 87.0%; Pred. No. 13;
Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 2 GGACTCGAGTGAATTTGCCCGAG 24
Db 600 GGAATCGAATGAGATTGCCCGAG 622

RESULT 14
US-09-512-250C-1
Sequence 1, Application US/09512250C
Patent No. 6518042
GENERAL INFORMATION:
APPLICANT: Borchert, Torben
APPLICANT: Pedersen (Executor for Lars Christiansen, deceased), Dennis
APPLICANT: Wind, Jesper
TITLE OF INVENTION: A process for Making DNA Libraries in Filamentous Fungal Cells
TITLE OF INVENTION: No. 6518042el Cloned Gene Involved in the Mismatched Repair System
FILE REFERENCE: 5718.200-US
CURRENT APPLICATION NUMBER: US/09/512.250C
CURRENT FILING DATE: 1999-02-24
NUMBER OF SEQ ID NOS: 33
SOFTWARE: Patent in version 3.1
SEQ ID NO 1
LENGTH: 3823
TYPE: DNA
ORGANISM: Aspergillus oryzae
FEATURE:
NAME/KEY: CDS
LOCATION: (700)..(723)
OTHER INFORMATION:
FEATURE:
NAME/KEY: CDS
LOCATION: (781)..(3576)
OTHER INFORMATION:
FEATURE:
NAME/KEY: Intron
LOCATION: (724)..(780)
OTHER INFORMATION:
US-09-512-250C-1

Query Match 56.9%; Score 18.2; DB 4; Length 3823;
Best Local Similarity 74.2%; Pred. No. 15;
Matches 23; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 2 GGACTCGAGTGAATTTGCCCGAGCGTGAAG 32
Db 1164 GGACTCGGTCCTCAATTTATCTAGCAGTGAAG 1194

RESULT 15
US-08-876-991-1/c
Sequence 1, Application US/08876991
Patent No. 5925360
GENERAL INFORMATION:
APPLICANT: Gregor Meyers, Tillmann R menapf,
APPLICANT: Heinz-Joerg Thiel
TITLE OF INVENTION: Hog cholera virus vaccine and diagnostic
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: Organon Teknika Corporation
ADDRESSEE: Biotechnology Research Institute

STREET: 1330-A Piccard Drive
CITY: Rockville
STATE: Maryland
COUNTRY: U.S.A.
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/876,991
FILING DATE: 16-JUN-1997
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/747,577
FILING DATE:
APPLICATION NUMBER: US/08/650,584
FILING DATE:
APPLICATION NUMBER: US/08/469,702
FILING DATE:
APPLICATION NUMBER: US/08/123,596
FILING DATE:
APPLICATION NUMBER: 07/797,554
FILING DATE: 22-NOV-1991
APPLICATION NUMBER: US 07/494,991
FILING DATE: 16-MAR-1990
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: William M. Blackstone
REGISTRATION NUMBER: 29,772
REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
TELEPHONE: (301) 258-5200
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 12284 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
ORIGINAL SOURCE:
ORGANISM: Hog cholera virus
STRAIN: Alfort
CELL LINE: PK 15 and 38A1D
FEATURE:
NAME/KEY: CDS
LOCATION: 364..12060
OTHER INFORMATION: /label= 435_kDA_protein
FEATURE:
NAME/KEY: primer_bind
LOCATION: complement (2587..2619)
OTHER INFORMATION: /label= primer_1
FEATURE:
NAME/KEY: primer_bind
LOCATION: complement (2842..2880)
OTHER INFORMATION: /label= primer_2
FEATURE:
NAME/KEY: variation
LOCATION: replace (127, "c")
FEATURE:
NAME/KEY: variation
LOCATION: replace (1522, "g")
FEATURE:
NAME/KEY: variation
LOCATION: replace (10989, "t")
US-08-876-991-1

Query Match 56.2%; Score 18; DB 2; Length 12284;
Best Local Similarity 80.8%; Pred. No. 25;
Matches 21; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 1 AGGACTCGAGTGAATTTGCCCGAGCC 26

Db 2757 AGGACTCGTGCAAAATGGGCACGCC 2732
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Search completed: August 28, 2003, 16:15:19
Job time : 44.9147 sec

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